1 vol

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

APOLLO 16/AS-511/113/LM-11

OPERATIONAL CALIBRATION CURVES

VOLUME I CALIBRATION CURVES FOR COMMAND SERVICE MODULE CSM 113

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APOLLO 16/AS-511/LM-11

CALIBRATION CURVES

CSM 113

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NOTICE OF CALIBRATION CHANGES

Calibrations for the measurement numbers listed below will be added in the next update to this document.

TELEMETER

Command Module

CF0072Q
CF0157R-31
CK1051K*
CK1052K*
CK1053K*

Service Module

ST0152H*
ST0153H*

METER LINK

CF0019Q
LS0200H
ST0152H
ST0153H
ST0620E

EXPERIMENTS

This section will be supplied later.

*Standard Calibration - To Be Replaced Later.

APOLLO 16 OPERATIONAL CALIBRATION CURVES

VOLUME I

CSM 113

Preface

This document has been compiled by the Instrumentation Integration Branch, Test Division Apollo Spacecraft Program Office, Manned Spacecraft Center, Houston, Texas. Contained herein are CSM PCM downlink and onboard display calibration data for the Apollo 16/AS-511/113/LM-11 mission. At T-60 and T-60 days before launch, change notices to this document will be issued. After T-30 days prior to launch, further change notices will be issued as required.

This document comprises Volume I of three volumes of Apollo 16 Operational Calibration Curves.

Volume II contains PCM downlink, PLSS, and onboard display data for LM-11.

Volume III contains PCM downlink calibration data for each stage of Saturn Launch Vehicle AS-511.

Any comments concerning the contents of this document should be directed to J. F. DeMoss, PT3, Instrumentation Integration Branch, Test Division, Apollo Spacecraft Program Office, telephone 483-5927.

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2-1 Calibration Curve Format

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SECTION 1

INTRODUCTION

1.1 General

The measurement calibration curves presented in this document represent the latest available information at Houston, Texas as of December 17, 1971.

The calibration curves contained herein are arranged by vehicle stage in alphanumeric order of the measurement number.

SECTION 2

FORMAT

2.1 MEASUREMENT CALIBRATION CURVE FORMAT

The following presentation defines the format used for the 4020 computer cathode ray tube plot of measurement calibration data. For ease of definition, all significant points are lettered and a schematic showing the correlation is included.

2.1.1 Vehicle Number (Figure 2-1, Letter A)

The numeric number assigned to the test vehicle. This number consists of three numeric characters.

Example: 106

2.1.2 Measurement Name (Figure 2-1, Letter B)

The Measurement Name or Description as called out for each measurement in the Measurement Requirements document for each test vehicle.

Apollo Command Module/Service Module Measurement Requirements Baseline Document CSM's 107 (SD68-271)

The Measurement Name or Description is a brief title given to each measurement. Standard abbreviations are used where applicable.

2.1.3 Effective Date (Figure 2-1, Letter C)

The date the last instrument is installed on the test vehicle which completes the measurement. This date will be taken from the Instrumentation Ewuipment Configuration Change Notification (2900F Form) that lists the last instrument to complete the measurement.

2.1.4 Hardware Calibration Number (Figure 2-1, Letter D)

Indicates the Hardware Calibration number for the instrument. All Hardware Calibration numbers are assigned by the Test and Checkout Unit of Apollo Engineering Instrumentation Group. These calibration numbers are assigned in block numbers to particular vehicles. Under the words "Hardware Calibration Number" will be three numbers. These will be the Hardware Calibration Number of the sensor first, signal conditioner second, and the isolation amplifier third. The isolation amplifier will be left blank if not applicable. The Hardware Calibration Number will appear on each Calibration Data Card (66-N-4 Form) for that instrument. The Hardware Calibration Number consists of five numeric characters, a dash, and two numeric characters. The first five characters indicate the Hardware Laboratory Calibration Number assigned to each instrument. The two numeric characters indicate the number of times the instrument has been calibrated.

Example: Hardware Calib. No.
57567- 3
04737- 1

2.1.5 Serial Number (Figure 2-1, Letter E)

The NASA, Vendor, or NR Serial Number is used for tracibility of the particular instrument. The Serial Numbers will be on each Calibration Data Card (66-N-4 Form) for that instrument. Because of the different possible Serial Number soruces, the number of characters will not be in

the same format. However, the Hardware and Measurement Calibration Computer Programs are limited to fifteen characters.

2.1.6 Range (Figure 2-1, Letter F)

The Range of the input values (Y-axis) in Engineering Units. This is only the Range of the Measurement (Sensor, Signal Conditioner, and if applicable, Isolation Amplifier). The Sensor's range may be much greater than the range of the Signal Conditioner. Consequently, the range of the Measuremsnt would be restricted to the range of the Signal Conditioner.

Example: .0000 to 150.0

2.1.7 Equation Coefficients (Figure 2-1, Letter G)

The polynominal equation coefficients (denoted by A_0, A_1, A_2, A_3, A_4, and A_5) are used to express the following relationship: $Y = A_0 + A_1 \cdot X + A_2 \cdot X^2 + A_3 \cdot X^3 + A_4 \cdot X^4 + A_5 \cdot X^5$. The independent variable X is entered in volts dc to express the corresponding dependent variable Y in engineering units. The maximum curve order for both Hardware and Measurement Calibration programs is five.

Example: A_0 = 2.271 E01, A_1 = 7.691 E01, etc.

2.1.8 Sigma(Figure 2-1, Letter H)

The standard deviation may be defined by the following equation:

Where

N = The number of observed data points.

$$\sigma = \sqrt{\frac{\Sigma(\Delta Y)^2}{N-DEG}}$$

DEG = Degree of curve fit.

= Summation of the squares of the differences between observed and computed data points.

2.1.9 Sigma/Range (Figure 2-1, Letter I)

The SIGMA over the absolute RANGE.

2.1.10 R and Z Calibration (Figure 2-1, Letter J)

Outputs of 15 and 85 percent full scale for both high-level and low-level channesl are provided. Each calibration output may be connected externally to an analog input channel.

2.1.11 Measurement Number (Figure 2-1, Letter K)

The unique number assigned to a particular location on the test vehicle where the measurement is taken. The Measurement Number will be twelve characters long.

Example: CF0460T- 2-2

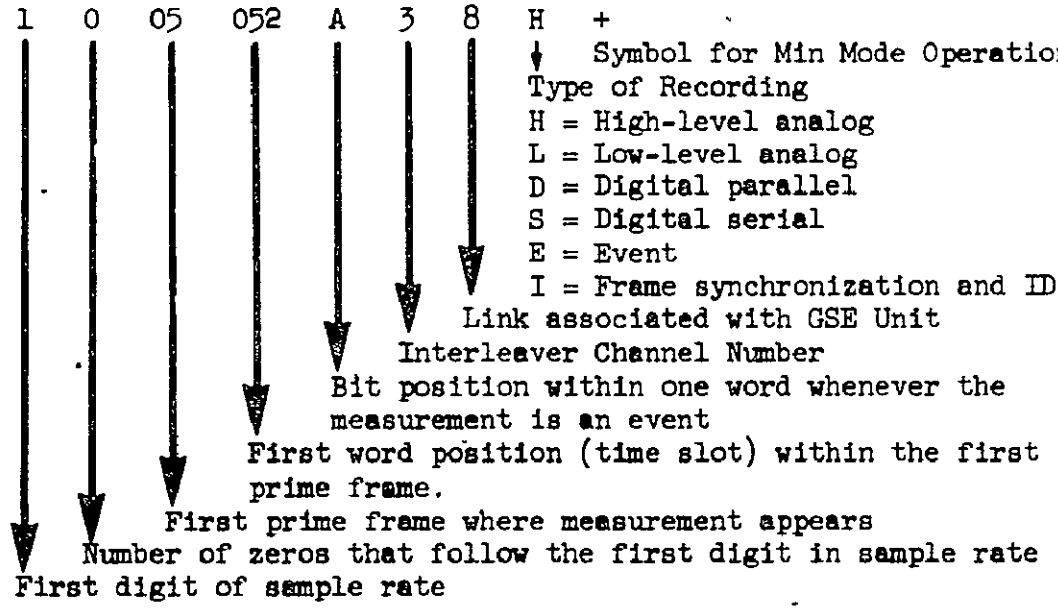
The first character (module code) is a letter which designates the measurement location by module. The second character (functional system code) is a letter which denotes the system within which the measurement originates. Characters three through six are numbers assigned sequentially or grouped for clarity within each system. The seventh character, a letter, denotes

measurement classification. Character eight is a dash, and characters nine and ten denote the number of times the measurement has been calibrated. Character eleven is a dash; character twelve is a number which indicates one of four possible links for that measurement. These links are: a. Link 1 designating ACE carry-on equipment, b. Link 2 designating spacecraft instrumentation downlink, and c. Links 3 and 4 designating Ground Support equipment. A character twelve slot filled by a zero is not a link. The zero designates onboard display. (See paragraph 2.2 for a detailed explanation of the letter code in the measurement number.)

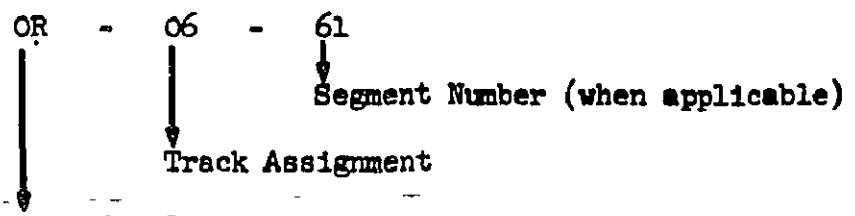
2.1.12 Measurement Loading Number (Figure 2-1, Letter L)

The Measurement Loading Number gives all the format information required to process and locate the test data telemetered via PCM or recorded onboard the Operational DSE recorder.

2.1.12.1 PCM wavetrain format (ACE-S/C)



2.1.12.2 Onboard operational dse recorder format



2.1.13 Volts Direct Current (Figure 2-1, Letter M)

The telemetry (TM) output in volts dc with a standard range of zero to five volts dc.

2.1.14 Percent Full Scale (Figure 2-1, Letter N)

The range of the TM output in percentage of zero to one hundred.

2.1.15 Legend (Figure 2-1, Letter O)

The points observed during calibration will be represented by "O". The points calculated in the computer will be represented by "X."

2.1.16 Engineering Units (Figure 2-1, Letter P)

The input to the sensor or transducer in Engineering Units.

2.2 MEASUREMENT IDENTIFICATION

2.2.1 General

The measurement identification used on NR prints and reference drawings consists of seven characrers: two letters followed by four numbers and one letter.

2.2.2 First Letter

The first letter (module code) designates the measurement location by module.

A Adapter

B Booster

C Command Module

L Launch escape tower

S Service module

2.2.3 Second Letter

The second letter (functional system code) denotes the system within which the measurement originates.

A Structures	J Life systems
C Electrical power	K Flight technology
D Launch escape	L Inflight test
E Earth landing	P Propulsion
F Environmental control	R Reaction control
G Guidance and navigation	S Crew safety
H Stabilization and control	T Communications and instrumentation

2.2.4 Characters Three Through Six

Characters three through six are numbers assigned sequentially or grouped for clarity with in each system.

2.2.5 Character Seven

The seventh character, a letter, denotes measurement classification as follows:

A Acceleration	N Camera
B Phase	P Pressure
C Current	Q Quantity
D Vibration	R Rate
E Power	S Strain
F Frequency	T Temperature
G Force	V Voltage

H Position

J Biomedical

K Radiation

L Velocity

M Mass

W Time

X Discrete event

Y Acoustical

Z pH (acidity)

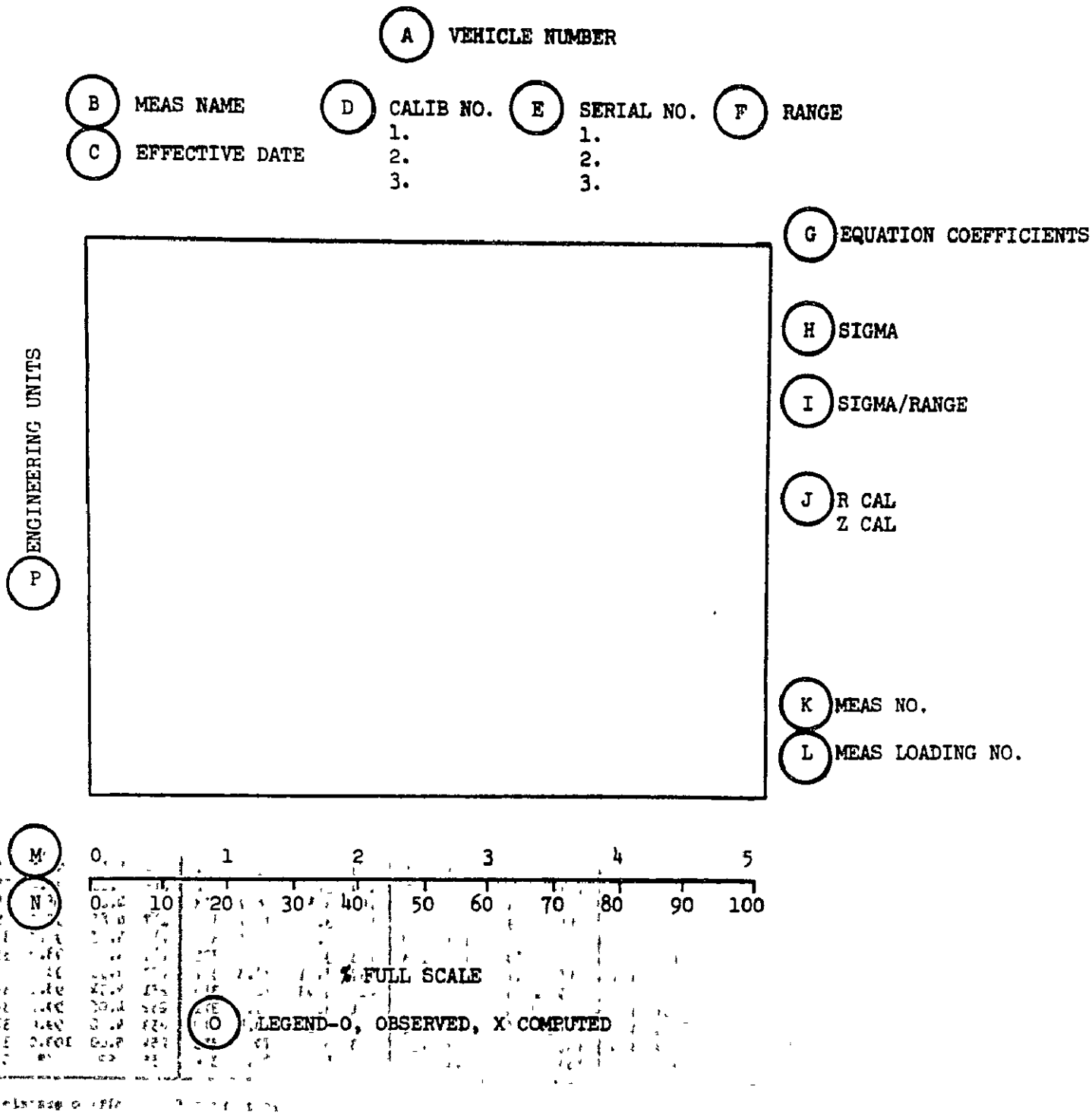


Figure 2-1.- Calibration curves format.

TABLE 2-I.- APOLLO INSTRUMENTATION CONVERSION TABLE

PCM DEC CNT	VOLTS	% FS	PCM OCT CNT	PCM DEC CNT	VOLTS	% FS	PCM OCT CNT	PCM DEC CNT	VOLTS	% FS	PCM OCT CNT	PCM DEC CNT	VOLTS	% FS	PCM OCT CNT	PCM DEC CNT	VOLTS	% FS	PCM OCT CNT
1	0.00	0.0	1	52	1.01	20.2	64	103	2.02	40.3	147	154	3.02	60.5	232	205	4.03	80.6	315
2	0.02	0.4	2	53	1.03	20.6	65	104	2.04	40.7	150	155	3.04	60.9	233	206	4.05	81.0	316
3	0.04	0.8	3	54	1.05	20.9	66	105	2.06	41.1	151	156	3.06	61.3	234	207	4.07	81.4	317
4	0.06	1.2	4	55	1.07	21.3	67	106	2.08	41.5	152	157	3.08	61.7	235	208	4.09	81.8	320
5	0.08	1.6	5	56	1.09	21.7	70	107	2.10	41.9	153	158	3.10	62.1	236	209	4.11	82.2	321
6	0.10	2.0	6	57	1.11	22.1	71	108	2.12	42.3	154	159	3.12	62.5	237	210	4.13	82.6	322
7	0.12	2.4	7	58	1.13	22.5	72	109	2.13	42.7	155	160	3.14	62.8	240	211	4.15	83.0	323
8	0.14	2.8	10	59	1.15	22.9	73	110	2.15	43.1	156	161	3.16	63.2	241	212	4.17	83.4	324
9	0.16	3.2	11	60	1.17	23.3	74	111	2.17	43.5	157	162	3.18	63.6	242	213	4.19	83.8	325
10	0.18	3.6	12	61	1.19	23.7	75	112	2.19	43.9	160	163	3.20	64.0	243	214	4.21	84.2	326
11	0.20	4.0	13	62	1.21	24.1	76	113	2.21	44.3	161	164	3.22	64.4	244	215	4.23	84.6	327
12	0.22	4.3	14	63	1.23	24.5	77	114	2.23	44.7	162	165	3.24	64.8	245	216	4.25	85.0	330
13	0.24	4.7	15	64	1.25	24.9	100	115	2.25	45.1	163	166	3.26	65.2	246	217	4.27	85.4	331
14	0.26	5.1	16	65	1.27	25.3	101	116	2.27	45.5	164	167	3.28	65.6	247	218	4.29	85.8	332
15	0.28	5.5	17	66	1.29	25.7	102	117	2.29	45.9	165	168	3.30	66.0	250	219	4.31	86.2	333
16	0.30	5.9	20	67	1.30	26.1	103	118	2.31	46.2	166	169	3.32	66.4	251	220	4.33	86.6	334
17	0.32	6.3	21	68	1.32	26.5	104	119	2.33	46.6	167	170	3.34	66.8	252	221	4.35	87.0	335
18	0.34	6.7	22	69	1.34	26.9	105	120	2.35	47.0	170	171	3.36	67.2	253	222	4.37	87.4	336
19	0.36	7.1	23	70	1.36	27.3	106	121	2.37	47.4	171	172	3.38	67.6	254	223	4.39	87.7	337
20	0.38	7.5	24	71	1.38	27.7	107	122	2.39	47.8	172	173	3.40	68.0	255	224	4.41	88.1	340
21	0.40	7.9	25	72	1.40	28.1	110	123	2.41	48.2	173	174	3.42	68.4	256	225	4.43	88.5	341
22	0.42	8.3	26	73	1.42	28.5	111	124	2.43	48.6	174	175	3.44	68.8	257	226	4.45	88.9	342
23	0.44	8.7	27	74	1.44	28.9	112	125	2.45	49.0	175	176	3.46	69.2	260	227	4.47	89.3	343
24	0.46	9.1	30	75	1.46	29.3	113	126	2.47	49.4	176	177	3.48	69.6	261	228	4.49	89.7	344
25	0.47	9.5	31	76	1.48	29.6	114	127	2.49	49.8	177	178	3.50	70.0	262	229	4.51	90.1	345
26	0.49	9.9	32	77	1.50	30.0	115	128	2.51	50.2	200	179	3.52	70.4	263	230	4.53	90.5	346
27	0.51	10.3	33	78	1.52	30.4	116	129	2.53	50.6	201	180	3.54	70.8	264	231	4.55	90.9	347
28	0.53	10.7	34	79	1.54	30.8	117	130	2.55	51.0	202	181	3.56	71.1	265	232	4.57	91.3	350
29	0.55	11.1	35	80	1.56	31.2	120	131	2.57	51.4	203	182	3.58	71.5	266	233	4.59	91.7	351
30	0.57	11.5	36	81	1.58	31.6	121	132	2.59	51.8	204	183	3.60	71.9	267	234	4.61	92.1	352
31	0.59	11.9	37	82	1.60	32.0	122	133	2.61	52.2	205	184	3.62	72.3	270	235	4.62	92.5	353
32	0.61	12.2	40	83	1.62	32.4	123	134	2.63	52.6	206	185	3.64	72.7	271	236	4.64	92.9	354
33	0.63	12.6	41	84	1.64	32.8	124	135	2.65	53.0	207	186	3.66	73.1	272	237	4.66	93.3	355
34	0.65	13.0	42	85	1.66	33.2	125	136	2.67	53.4	210	187	3.68	73.5	273	238	4.68	93.7	356
35	0.67	13.4	43	86	1.68	33.6	126	137	2.69	53.8	211	188	3.70	73.9	274	239	4.70	94.1	357
36	0.69	13.8	44	87	1.70	34.0	127	138	2.71	54.2	212	189	3.72	74.3	275	240	4.72	94.5	360
37	0.71	14.2	45	88	1.72	34.4	130	139	2.73	54.5	213	190	3.74	74.7	276	241	4.74	94.9	361
38	0.73	14.6	46	89	1.74	34.8	131	140	2.75	54.9	214	191	3.76	75.1	277	242	4.76	95.3	362
39	0.75	15.0	47	90	1.76	35.2	132	141	2.77	55.3	215	192	3.78	75.5	300	243	4.78	95.7	363
40	0.77	15.4	50	91	1.78	35.6	133	142	2.79	55.7	216	193	3.80	75.9	301	244	4.80	96.0	364
41	0.79	15.8	51	92	1.80	36.0	134	143	2.81	56.1	217	194	3.81	76.3	302	245	4.82	96.4	365
42	0.81	16.2	52	93	1.82	36.4	135	144	2.83	56.5	220	195	3.83	76.7	303	246	4.84	96.8	366
43	0.83	16.6	53	94	1.84	36.8	136	145	2.85	56.9	221	196	3.85	77.1	304	247	4.86	97.2	367
44	0.85	17.0	54	95	1.86	37.2	137	146	2.87	57.3	222	197	3.87	77.5	305	248	4.88	97.7	370
45	0.87	17.4	55	96	1.88	37.6	140	147	2.89	57.7	223	198	3.89	77.9	306	249	4.90	98.0	371
46	0.89	17.8	56	97	1.90	37.9	141	148	2.91	58.1	224	199	3.91	78.3	307	250	4.92	98.4	372
47	0.91	18.2	57	98	1.92	38.3	142	149	2.93	58.5	225	200	3.93	78.7	310	251	4.94	98.8	373
48	0.93	18.6	60	99	1.94	38.7	143	150	2.95	58.9	226	201	3.95	79.1	311	252	4.96	99.2	374
49	0.95	19.0	61	100	1.96	39.1	144	151	2.96	59.3	227	202	3.97	79.4	312	253	4.98	99.6	375
50	0.97	19.4	62	101	1.98	39.5	145	152	2.98	59.7	230	203	3.99	79.8	313	254	5.00	100.0	376
51	0.99	19.8	63	102	2.00	39.9	146	153	3.00	60.1	231	204	4.01	80.2	314	255	**	**	377

**Greater than 5.000 volts overscale.

DEC = Decimal

OCT = Octal

MULTI-MODE CALIBRATION DATA SUMMARY

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data Usage RTCC	MSFN and Postflight
CF0005P	CO_2 Partial Pressure	10	3.7 psia	0 - 20.60	MMHg	x	
		20	5.0 psia	0 - 23	MMHg	Note 4 pp 3-10	x
		30	14.7 psia	0 - 12.10	MMHg	x	
CF0019Q	Pri Glycol Accumulator	01	N/A	0 - 100	Percent		x
		XX	N/A	0 - 100	Percent	x Note 3 pp 3-10	
CF0072Q	Sec Glycol Accumulator	01	N/A	0 - 100	Percent		x
		XX	N/A	0 - 100	Percent	x Note 3 pp 3-10	
CF0157R	ECS Glycol Rate	10	60° F	103.7-300.1	LB/HR	x	
		20	90° F	106.8-301.0	LB/HR	Note 4 pp 3-10	x
		30	120° F	130.7-300.1	LB/HR	x	
CG2112V	IG 1 times resolver sine output	10	CG2113	0 - 360	Degrees	x Note 5 pp 3-10	
CG2112V	IG 1 times resolver cosine output	20	N/A	± 21	VRMS		x

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data RTCC	Usage MSFN and Postflight
CG2113V	IG 1 times resolver cosine output	10	CG2112	0 - 360	Degrees	x Note 5 pp 3-10	
		20	N/A	± 21	VRMS		x
CG2117V	IG A Servo Error	01	N/A	±2.8	VRMS		x
		xx	Conversion	±2.3	Milliradians	x	
CG2142V	MG 1 times resolver sine output	10	CG2143V	0 - 360	Degrees	x Note 5 pp 3-10	
		20	N/A	± 21	VRMS		x
CG2143V	MG 1 times resolver Cosine output	10	CG2142V	0 - 360	Degrees	x Note 5 pp 3-10	
		20	N/A	± 21	VRMS		x
CG2147	MGA Servo error	01	N/A	± 2.8	VRMS		x
		XX	Conversion	± 2.3	Milliradians	x	

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data Usage RTCC	MSFN and Postflight
CG2172V	OG 1 times resolver sine output	10	CG2173V	0 - 360	Degrees	x Note 5 pp 3-10	
		20	N/A	± 21	VRMS		x
CG2173V	OG 1 times resolver cosine output	10	CG2172V	0 - 360	Degrees	x Note 5 pp 3-10	
		20	N/A	± 21	VRMS		x
CG2177V	MGA Servo Error	01	N/A	± 2.8	VRMS		x
		XX	Conversion	± 2.3	Milliradians	x	
CH3500H	CSM Attitude Error Pitch	10	Event	± 5	Degrees	x	x
		20	Event	± 15	Degrees	Note 2 pp 3-10	Note 2 pp 3-10
CH3501H	CSM Attitude Error Yaw	10	Event	± 5	Degrees		
		20	Event	± 15	Degrees	x	x

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data Usage RTCC	MSFN and Postflight
CH3502H	CSM Attitude Error Roll	10	Event	± 5	Degrees	x	x
		20	Event	± 15	Degrees	x	x
		30	Boost CMC Prgm. 11	± 20	Degrees	x	
		40	Entry CMC Prgm. 61-67	± 12.5	Degrees	x	
CH3503R	FDIA SCS Body Rate Roll	10	Event	± 1	Deg/sec	x	x
		20	Event	± 5	Deg/sec		
		30	Event	± 10	Deg/sec		
		40	Event	± 1	Deg/sec		
		50	Event	± 5	Deg/sec		
		60	Event	± 10	Deg/sec	x	x

Note 2 pp 3-10

Note 4 pp 3-10

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data Usage RTCC	MSFN and Postflight
CH3504R	FDAI SCS Body Rate Yaw	10	Event	± 1	Deg/sec	x	x
		20	Event	± 5	Deg/sec		
		30	Event	± 10	Deg/sec		
		40	Event	± 1	Deg/sec		
		50	Event	± 5	Deg/sec		
		60	Event	± 10	Deg/sec		
CH3505R	FDAI SCS Body Rate Roll	10	Event	± 1	Deg/sec	Note 2 pp 3-10	Note 2 pp 3-10
		20	Event	± 5	Deg/sec		
		30	Event	± 50	Deg/sec		
		40	Event	± 1	Deg/sec		
		50	Event	± 5	Deg/sec		
		60	Event	± 50	Deg/sec	x	x

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data RTCC	Usage MSFN and Postflight
CH3585H	Control/MTVC Pitch Command	10	N/A	± 10	Degrees	x	
		20	N/A	± 10	Volts		x
CH3586H	ROT Control/MTVC Yaw Command	10	N/A	± 10	Degrees	x	
		20	N/A	± 10	Volts		x
CK1051K	Radiation Dosimeter 1	10	CK1053R	0 - 5	RAD/HR	x	x
		20	CK1053R	0 - 15.6	RAD/HR		
CK1052K	Radiation Dosimeter 2	10	CK1053R	0 - 5	RAD/HR	Note 7 pp 3-10	Note 1 pp 3-10
		20	CK1053R	0 - 18.40	RAD/HR	x	x
SR5025Q	SM/RCS Propulsion System A	10	40° F	0 - 100	Percent		x
		20	70° F	0 - 100	Percent	x	Note 1 pp 3-10
		30	100° F	0 - 100	Percent		x

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data RTCC	Usage MSFN and Postflight
SR5026Q	SM/RCS Propulsion System B	10	40° F	0 - 100	Percent		x
		20	70° F	0 - 100	Percent	x	
		30	100° F	0 - 100	Percent		
SR5027Q	SM/RCS Propulsion System C	10	40° F	0 - 100	Percent		
		20	70° F	0 - 100	Percent	x	Note 1 pp 3-10
		30	100° F	0 - 100	Percent		
SR5028Q	SM/RCS Propulsion System D	10	40° F	0 - 100	Percent		
		20	70° F	0 - 100	Percent	x	
		30	100° F	0 - 100	Percent		x
CT0620E	S-Band Receiver No. 1 AGC	10	Primary	(1)127 - (1)51	DBM	x	x
	S-Band Receiver No. 2 AGC	20	Secondary	(-)127 - (-)51	DBM	x	Note 4 pp 3-10 / Note 6 pp 3-10 x

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data Usage RTCC	MSFN and Postflight
CT064OF	S-Band No. 1 Static Phase Error	10	Primary	+ 100	KCPS	x Note 4 pp 3-10	x Note 6 pp 3-10
	S-Band No. 2 Static Phase Error	20	Secondary	+ 100	KCPS	x	x
ST082OK	Proton Count Rate Channel 1	01	N/A	0 - 100 K	Counts/sec	x Note 8 pp 3-10	x Note 1 pp 3-10
ST0821K	Proton Count Rate Channel 2	01	N/A	0 - 10	Counts/sec		
ST0822K	Proton Count Rate Channel 3	01	N/A	0 - 10	Counts/sec		
ST0823K	Proton Count Rate Channel 4	01	N/A	0 - 10	Counts/sec		
ST0830K	Alpha Count Rate Channel 1	01	N/A	0 - 10	Counts/sec		
ST0831K	Alpha Count Rate Channel 2	01	N/A	0 - 10	Counts/sec	x	x

Measurement No.	Measurement Title	Mode	Dependent Factor	Instrumentation Range	Units	Data Usage RTCC	Data Usage MSFN and Postflight
ST0832K	Alpha Count Rate Channel 3	01	N/A	0 - 10	Counts/sec	X	X
ST0838K	Proton-Alpha Integrated Count Rate	01	N/A	0 - 100	Counts/sec	X	X

Note 8 pp 3-10

Note 1 pp 3-10

CSM 113

Multi-Mode Calibration Data Summary

Notes

1. This measurement will not be presented in engineering units but scaled from 0 to 5 volts.

2. This measurement is dependent upon associated bilevel event. See bilevel event listing.

3. A standard calibration curve will be used for Flight Control data processing. (The standard calibration employed approaches the dependent factor noted.)

4. This measurement will be changed to reflect system configuration by Flight Operations.

5. RTCC will be using a composite curve for these measurements.

6. This measurement will not be presented in engineering units but scaled from 1 to 254 PCM counts.

7. This measurement will not be presented in engineering units but will be scaled per the natural log of the dosimeter rate.

8. This measurement will not be presented in engineering units but will be scaled per the natural log of the count rate.

PCM BILEVEL EVENT LISTING

Measurement Number	Loading Number HBR	Loading Number LBR	Measurement Description	Bit Logic Low (0)	Bit Logic High (1)
SC2160X	1105066A12	1001102A12	PH Factor Water Cond FC 1	Norm	High
SC2161X	1105066B12	1001102B12	PH Factor Water Cond FC 2	Norm	High
SC2162X	1105066C12	1001102C12	PH Factor Water Cond FC 3	Norm	High
CD0023X	1104067A12	1001195A12	CM-SM Sep Relay Close A		Sep
CD0024X	1104068A12	1001196A12	CM-SM Sep Relay Close B		Sep
CD0123X	1104067E12	1001195E12	SLA Sep Relay A		Sep
CD0124X	1104068G12	1001196G12	SLA Sep Relay B		Sep
CD0130X	1103065C12	1001115C12	Hand Controller Input A		Abort
CD0131X	1103065F12	1001115F12	Hand Controller Input B		Abort
CD0132X	1103066A12	1001116A12	EDS Abort Logic Input No. 1	Vote/Off	Arm
CD0133X	1103066B12	1001116B12	EDS Abort Logic Input No. 2	Vote/Off	Arm
CD0134X	1103066D12	1001116D12	EDS Abort Logic Input No. 3	Vote/Off	Arm
CD0135X	1103065G12	1001115G12	EDS Abort Logic Output A		Abort
CD0136X	1103065D12	1001115D12	EDS Abort Logic Output B		Abort
CD0170X	1104067C12	1001195C12	RCS Activate Signal A		Enable
CD0171X	1104068C12	1001106C12	RCS Activate Signal B		Enable
CD0173X	1104067G12	1001195G12	CM RCS Press Signal A		Press
CD0174X	1104068E12	1001196E12	CM RCS Press Signal B		Press
CD0230X	1104097A12	1001043A12	Fwd HS Jett A		Jett
CD0231X	1104099E12	1001081E12	Fwd HS Jett B		Jett
CD0412X	1103098A12	1001032A12	Sim Pyro Bus A Arm		Arm
CD0413X	1103098B12	1001032B12	Sim Pyro Bus B Arm		Arm
CD1154X	1103067F12	1001141F12	CSM-LM Lock Ring Sep Relay A		Sep
CD1155X	1103067G12	1001141G12	CSM-LM Lock Ring Sep Relay B		Sep
CE0001X	1105067A12	1001155A12	Drogue Deploy Relay Close A		Deploy
CE0002X	1105068F12	1001163F12	Drogue Deploy Relay Close B		Deploy
CE0003X	1105067H12	1001155H12	Main Chute Deploy Drogue Relay A		Deploy

Measurement Number	Loading Number HBR	Loading Number LBR	Measurement Description	Bit Logic Low (0)	Bit Logic High (1)
CE0004X	1105068C12	1001163C12	Main Chute Deploy Drogue Relay B		Deploy
CE0321X	1105067E12	1001155E12	Main Chute Disconnect Relay A		Disc
CE0322X	1105068H12	1001163H12	Main Chute Disconnect Relay B		Disc
SF0266X	1101098H12	1001041H12	Radiator Flow Cont Sys 1 or 2	Sys 1	Sys 2
CG1513X	1103067B12	1001141B12	+28V IMU Standby	Off	Stdby
CG1523X	1103067C12	1001141C12	+28V CMC Operate	Off	Oper
CG1533X	1103067D12	1001141D12	+28V OPTX Operate	Off	Oper
CG5040X	1103099A12	1001162A12	CMC Warning	Warn	
CH3546X	2201018A12		RCS Solenoid Act + Pitch + X	Fire/Off	Arm
CH3547X	2201018B12		RCS Solenoid Act - Pitch + X	Fire/Off	Arm
CH3548X	2201018C12		RCS Solenoid Act + Pitch - X	Fire/Off	Arm
CH3549X	2201018D12		RCS Solenoid Act - Pitch - X	Fire/Off	Arm
CH3550X	2201018E12		RCS Solenoid Act + Yaw + X	Fire/Off	Arm
CH3551X	2201018F12		RCS Solenoid Act - Yaw + X	Fire/Off	Arm
CH3552X	2201018G12		RCS Solenoid Act + Yaw - X	Fire/Off	Arm
CH3553X	2201018H12		RCS Solenoid Act - Yaw - X	Fire/Off	Arm
CH3554X	2201019A12		RCS Solenoid Act + Roll + Z	Fire/Off	Arm
CH3555X	2201019E12		RCS Solenoid Act - Roll + Z	Fire/Off	Arm
CH3556X	2201019F12		RCS Solenoid Act + Roll - Z	Fire/Off	Arm
CH3557X	2201019B12		RCS Solenoid Act - Roll - Z	Fire/Off	Arm
CH3558X	2201019G12		RCS Solenoid Act + Roll + Y	Fire/Off	Arm
CH3559X	2201019C12		RCS Solenoid Act - Roll + Y	Fire/Off	Arm
CH3560X	2201019D12		RCS Solenoid Act + Roll - Y	Fire/Off	Arm
CH3561X	2201019H12		RCS Solenoid Act - Roll - Y	Fire/Off	Arm
CH3574X	1104067D12	1001195D12	Trans Cntl + X CMD	Off	On
CH3575X	1104067F12	1001195F12	Trans Cntl - X CMD	Off	On
CH3576X	1104067H12	1001195H12	Trans Cntl + Y CMD	Off	On

Measurement Number	Loading Number HBR	LBR	Measurement Description	Bit Logic Low (0)	High (1)
CH3577X	1104068F12	1001196F12	Trans Cntl - Y CMD	Off	On
CH3578X	1104068H12	1001196H12	Trans Cntl + Z CMD	Off	On
CH3579X	1104097B12	1001043B12	Trans Cntl - Z CMD	Off	On
CH3588X	1102067B12	1001075B12	Attitude Deadband Minimum	Max	Min
CH3590X	1102067D12	1001075D12	SCS High Rotation Rade Selected	Low	High
CH3592X	1102067E12	1001075E12	FDAI Scale Err 5, Rate 5	Off	On
CH3593X	1102067F12	1001075F12	FDAI Scale Err 50/15, Rate 50/10	Off	On
CH3600X	1102068C12	1001076C12	SCS Delta V CG-LM/CSM Pos	CSM	LM/CSM
CH3601X	1104097C12	1001043C12	Dir RCS Sw No 1 Enable Pos	Off	Enable
CH3602X	1104097D12	1001043D12	Dir RCS Sw No 2 Enable Pos	Off	Enable
CH3604X	1101098D12	1001041D12	SPS Solenoid Driver No 1	Fire/Off	Arm
CH3605X	1102068D12	1001076D12	SPS Solenoid Driver No 2	Fire/Off	Arm
CH3606X	1104098A12	1001044A12	Limit Cycle Sw Off Pos	On	Off
CH3607X	1102068E12	1001076E12	SC Control Source Switch	CMC	SCS
CH3609X	1104098G12	1001044G12	Roll Man Att Sw Accel CMD Pos	Off	On
CH3610X	1104098H12	1001044H12	Roll Man Att Sw Min Imp CMD Pos	Off	On
CH3612X	1104098C12	1001044C12	Pitch Man Att Sw Accel CMD Pos	Off	On
CH3613X	1104098D12	1001044D12	Pitch Man Att Sw Min Imp CMD Pos	Off	On
CH3615X	1104098E12	1001044E12	Yaw Man Att Sw Accel CMD Pos	Off	On
CH3616X	1104098F12	1001044F12	Yaw Man Att Sw Min Imp CMD Pos	Off	On
CH3623X	1102067G12	1001075G12	Gyro Comb Spon Mtrs Run Det	Low	Norm
CH3624X	1102067H12	1001075H12	Gyro 2 Comb Spon Mtrs Run Det	Low	Norm
CH3635X	1105099A12		BMAG Mode Sw-Roll Att 1, Rate 2	Off	On
CH3636X	1105099B12		BMAG Mode Sw-Roll Rate 2	Off	On
CH3638X	1105099C12		BMAG Mode Sw-Pitch Att 1, Rate 2	Off	On
CH3639X	1105099D12		BMAG Mode Sw-Pitch Rate 2	Off	On
CH3641X	1105099E12		BMAG Mode Sw-Yaw Att 1, Rate 2	Off	On
CH3642X	1105099F12		BMAG Mode Sw-Yaw Rate 2	Off	On
CK1040X	1201031 12		16mm Data Acq Camera Shtr Opn		
CK1043X	1201031 12		70mm Camera Shutter Open		

Measurement Number	Loading Number HBR	Loading Number LBR	Measurement Description	Bit Logic Low (0)	Bit Logic High (1)
SL1031X	1105071F		Pan Camera Air Solenoid	Close	Open
SL1036X	1105071G		Pan Camera Capping Shutter	Close	Open
SL1080X	1105071D		Subsatellite Launch	Launch	
SL1084X	1107072H		Mass Spec Sweep Start Flag	Off	On
SL1090X			Gamma Ray Boom Ret Safe Pos	Ext	Safe
SL1091V	1101053		Laser Alt -5V Supply	Absent	Present
SL1097X			Gamma Ray Boom Ext	Ext	Trans
SL1098X			Gamma Ray Boom Retracted	Ret	Trans
SL1143X			Mass Spectr Boom Ret Safe Pos	Ext	Safe
SL1144X			Mass Spectr Boom Extended	Ext	Trans
SL1145X			Mass Spectr Boom Retracted	Ret	Trans
SL1172X			Map Camera Go/No Go	No/Go	Go
SL1180X	1105071H		IRIG-B/PT/DR/AW/Steller Film	(Multi Event)	
BS0080X	1101098E12	1001041E12	EDS Abort Request A	Norm	Abort
BS0081X	110198C12	1001041C12	EDS Abort Request B	Norm	Abort
CS1050X	1101098F12	1001041F12	Master Caution - Warning On	Warn/Off	Norm
CT0012X	1103066E12	1001116E12	DSE Tape Motion Monitor	Off	Motion
CT0120X	1001020 12	1001021 12	PCM Bit Rate Change 8-Bit		
ST0161X	1102068A12	1001076A12	HGA Beam Width SW Pos Nar	See Note Number 1	
ST0162X	1102068B12	1001076B12	HGA Beam Width SW Pos Med	See Note Number 1	
ST0163X	1102068G12	1001076G12	HGA Track Sw Pos Auto	See Note Number 2	
ST0164X	1102068H12	1001076H12	HGA Track Sw Pos Reacq	See Note Number 2	
CT0340X	1105098H12		PCM Sync Source Ext or Int	Int	Ext

NOTE 1

Measurement Number	HGA Wide	HGA Med	HGA Nar
ST0161X	0	0	1
ST0162X	0	1	0

NOTE 2

Measurement Number	HGA Man	HGA Auto	HGA Reacq
ST0163X	0	1	0
ST0164X	0	0	1

FDAI SCALE/EVENT CORRELATION

ORBITAL

Axis	Switch Position	CH3592X 1	CH3592X 0	CH3593X 1	CH3593X 0	Attitude Error	Rate
Pitch	5/1		X		X	CH3500H-10 (5°)	CH3503R-10/40 (1°)
	5/5	X			X	CH3500H-10 (5°)	CH3503R-20/50 (5°)
	15/10		X	X		CH3500H-20 (15°)	CH3503R-30/60 (10°)
Yaw	5/1		X		X	CH3501H-10 (5°)	CH3504R-10/40 (1°)
	5/5	X			X	CH3501H-10 (5°)	CH3504R-20/50 (5°)
	15/10		X	X		CH3501H-20 (15°)	CH3504R-30/60 (10°)
Roll	5/1		X		X	CH3502H-10 (5°)	CH3505R-10/40 (1°)
	5/5	X			X	CH3502H-10 (5°)	CH3503R-20/50 (5°)
	50/50		X	X		CH3502H-40 (12.5°)	CH3505R-30/60 (50°)

BOOST ENTRY

Axis	Switch Position	CH3592X 1	CH3592X 0	CH3593X 1	CH3593X 0	Attitude Error	Rate Rate
Pitch	5/1		X		X	CH3500H-10 (5°)	CH3503R-10/40 (1°)
	5/5	X			X	CH3500H-10 (5°)	CH3503R-20/50 (5°)
	15/10		X	X		CH3500H-20 (15°)	CH3503R-30/60 (10°)
Yaw	5/1		X		X	CH3501H-10 (5°)	CH3504R-10/40 (1°)
	5/5	X			X	CH3501H-10 (5°)	CH3504R-20/50 (5°)
	15/10		X	X		CH3501H-20 (15°)	CH3504R-30/60 (10°)
Roll	5/1		X		X	CH3502H-30 (20°)	CH3505R-10/40 (1°)
	5/5	X			X	CH3502H-30 (20°)	CH3505R-20/50 (5°)
	50/50		X	X		CH3502H-20 (50°)	CH3505R-30/60 (50°)

B MAG MODE CORRELATION

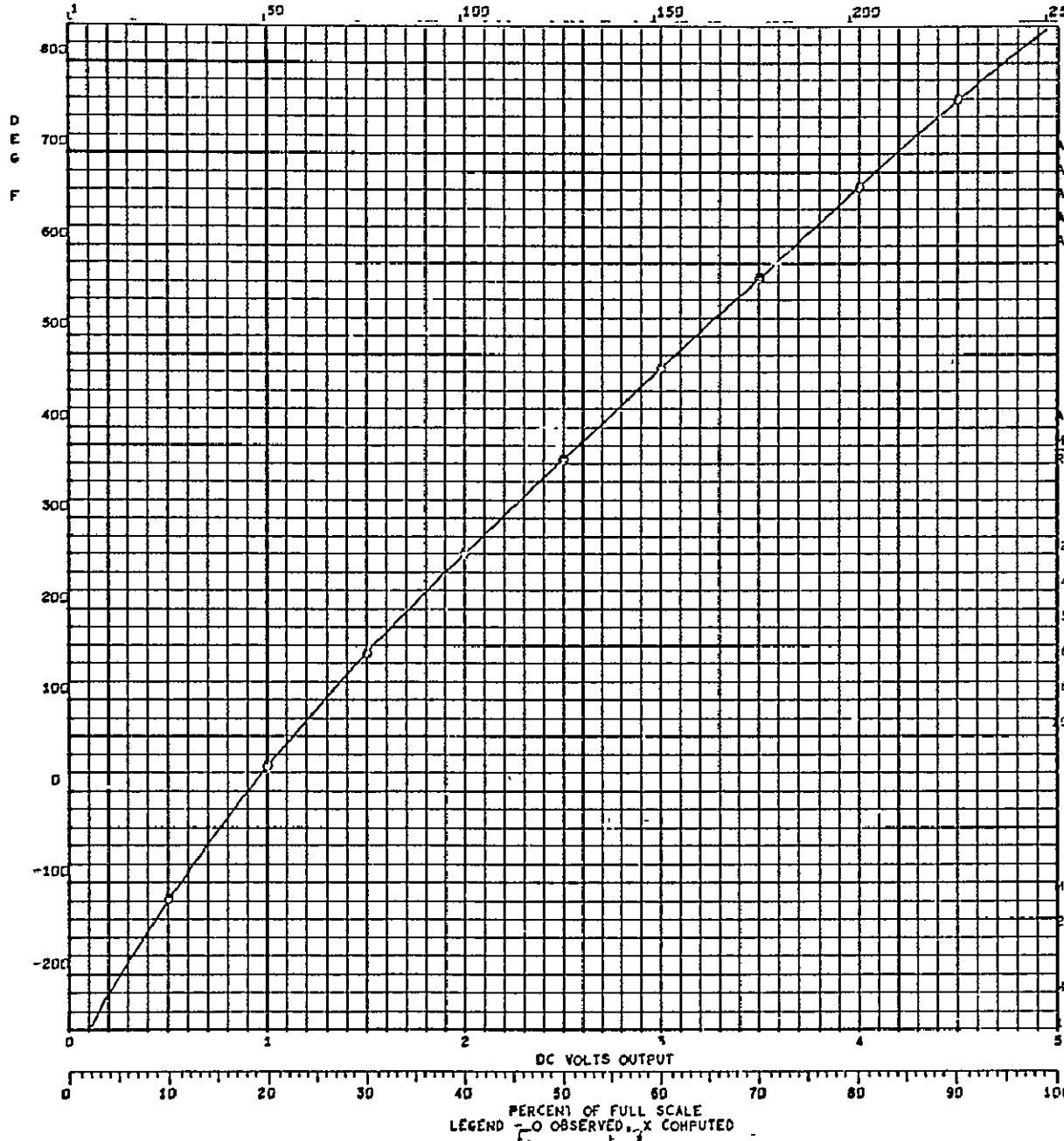
	Switch Position	CH3639X 1	CH3639X 0	CH3638X 1	CH3638X 0	Attitude Error	Rate
Pitch	Rate 2	X			X	CH3500H-10/20	CH3503R-10/20/30
	Att 1 Rate 2		X	X			CH3503R-10/20/30
	Rate 1 (Backup)		X		X		CH3503R-40/50/60
	Switch Position	CH3642X 1	CH3642X 0	CH3641X 1	CH3641X 0	Attitude Error	Rate
Yaw	Rate 2	X			X	CH3501H-10/20	CH3504R-10/20/30
	Att 1 Rate 2		X	X			CH3504R-10/20/30
	Rate 1 (Backup)		X		X		CH3504R-40/50/60
	Switch Position	CH3636X 1	CH3636X 0	CH3635X 1	CH3635X 0	Attitude Error	Rate
Roll	Rate 2	X			X	CH3502H-10/20	CH3505R-10/20/30
	Att 1 Rate 2		X	X			CH3505R-10/20/30
	Rate 1 (Backup)		X		X		CH3505R-40/50/60

09/27/71
4 INSTALLATION DATE APRIL 11,1969
TEMP CREW HS ABL SUR LOC 1A
CAL RANGE -297.323 TO 846.286

SC-113

HARDWARE CALIB. NO. SERIAL NO.
76093 01 N/A
56980 04 3
00

=21515



EQUATION COEFFICIENTS

A_0= -2.973 E 02
A_1= 4.013 E 02
A_2= -9.379 E 01
A_3= 1.953 E 01
A_4= -1.536 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -2.973E 02
20% = 2.820E 01
40% = 2.618E 02
50% = 3.650E 02
60% = 4.655E 02
80% = 6 643E 02
100% = 8 463E 02

MEASUREMENT NO.
200CA1820T01

MEAS LOADING NO.
1022084 12 20

5 of 1

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP CREW HS ABL SUR LOC 1A

MEASUREMENT NO. 209CA1820T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 3
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/11/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-297.323	38	-46.823	75	143.059	112	302.338	149	450.490	186	596.451	223	738.622
2	-289.428	39	-41.052	76	147.656	113	306.425	150	454 447	187	600.375	224	742 322
3	-281.606	40	-35.325	77	152.230	114	310.505	151	458.404	188	604.296	225	746.010
4	-273 855	41	-29.640	78	156.785	115	314.577	152	462.360	189	608.215	226	749.687
5	-266.175	42	-23.996	79	161.319	116	318.643	153	466.315	190	612.131	227	753.352
6	-258.565	43	-18.393	80	165.833	117	322.703	154	470.269	191	616.045	228	757.005
7	-251.023	44	-12.830	81	170.327	118	326.756	155	474.223	192	619.956	229	760.644
8	-243.549	45	-7.307	82	174.803	119	330.804	156	478.176	193	623.863	230	764.271
9	-236.143	46	-1.823	83	179.261	120	334.845	157	482.128	194	627.768	231	767.884
10	-228.802	47	3.623	84	183.700	121	338.882	158	486.080	195	631 669	232	771.483
11	-221.527	48	9.031	85	188.122	122	342.913	159	490.031	196	635.566	233	775.068
12	-214.316	49	14.402	86	192.527	123	346.939	160	493 982	197	639.460	234	778.638
13	-207.169	50	19.737	87	196.915	124	350.961	161	497.933	198	643 350	235	782.193
14	-200.085	51	25.036	88	201.287	125	354:978	162	501.882	199	647.235	236	785.732
15	-193.063	52	30.301	89	205.643	126	358.990	163	505.832	200	651.116	237	789.256
16	-186.102	53	35.531	90	209.984	127	362.999	164	509.781	201	654.993	238	792.763
17	-179.201	54	40.727	91	214.309	128	367.004	165	513.729	202	658.865	239	796.253
18	-172.360	55	45.889	92	218.620	129	371.005	166	517.677	203	662.732	240	799.726
19	-165.578	56	51.020	93	222.917	130	375.002	167	521.624	204	666.593	241	803.182
20	-158.853	57	56.118	94	227.200	131	378.996	168	525.571	205	670 449	242	806.619
21	-152.185	58	61.185	95	231.469	132	382.987	169	529.517	206	674.300	243	810.038
22	-145.574	59	66.220	96	235.726	133	386.975	170	533.462	207	678.144	244	813.438
23	-139.018	60	71.226	97	239.969	134	390.960	171	537.407	208	681 982	245	816.818
24	-132.517	61	76.202	98	244.201	135	394.942	172	541.351	209	685.814	246	820.179
25	-126.070	62	81.149	99	248.420	136	398.922	173	545.294	210	689.639	247	823.519
26	-119.676	63	86.067	100	252.628	137	402.899	174	549.237	211	693.457	248	826 838
27	-113.335	64	90.958	101	256.824	138	406.875	175	553.178	212	697.268	249	830.136
28	-107.045	65	95.821	102	261.010	139	410.848	176	557.119	213	701.071	250	833.412
29	-100.806	66	100.657	103	265.185	140	414.819	177	561.059	214	704 866	251	836.666
30	-94.617	67	105.467	104	269.350	141	418 788	178	564.997	215	708.654	252	839.897
31	-88.478	68	110.250	105	273.505	142	422.756	179	568.934	216	712.432	253	843.104
32	-82.387	69	115.009	106	277.650	143	426.722	180	572.870	217	716.202	254	846 288
33	-76.344	70	119.743	107	281.786	144	430.686	181	576.804	218	719.963		
34	-70.348	71	124.453	108	285.913	145	434.649	182	580 737	219	723.715		
35	-64.399	72	129.139	109	290.032	146	438.611	183	584.668	220	727.457		
36	-58.495	73	133.801	110	294.142	147	442.572	184	588.598	221	731.189		
37	-52 637	74	138.442	111	298.244	148	446.531	185	592.526	222	734.911		

09/27/71

4 INSTALLATION DATE APRIL 11,1969

TEMP CREW HS ABL SUR LOC 4A

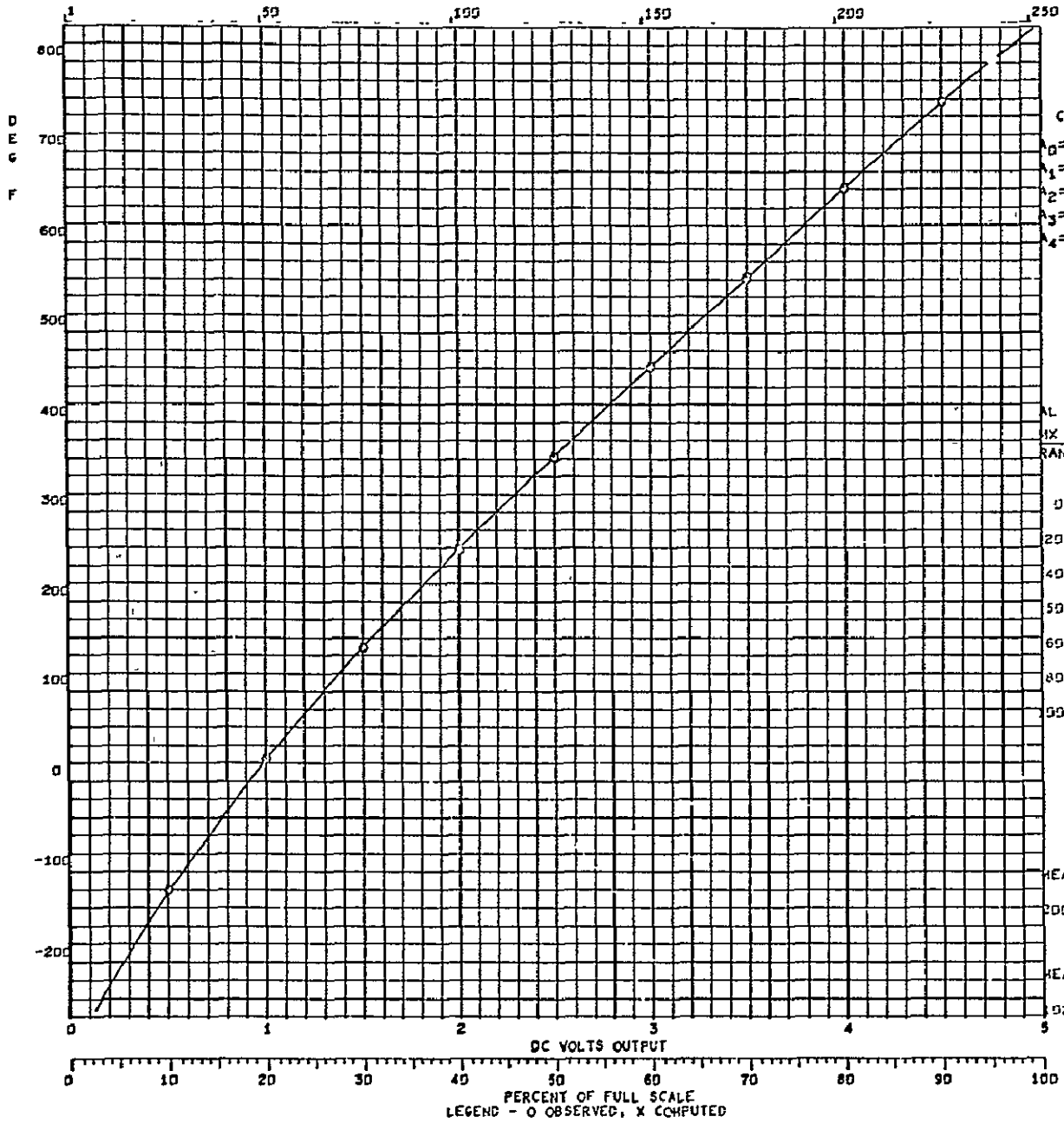
V CAL RANGE -300.677 TO 843.985

SC-113

HARDWARE CALIB. NO. 76093 01 56979 04 00

SERIAL NO. N/A 3

#21515



EQUATION COEFFICIENTS

A_0= -3 007 E 02

A_1= 4.024 E 02

A_2= -9.405 E 01

A_3= 1.951 E 01

A_4= -1.529 E 00

AL DEV= 0

MX DEV = 0

RANGE

0% = -3.007E 02

20% = 2.566E 01

40% = 2.596E 02

50% = 3 627E 02

60% = 4 631E 02

80% = 6.617E 02

100% = 8.440E 02

MEASUREMENT NO.

200CA1821T01

MEAS LOADING NO.

1024002 12 25

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP CREW HS ABL SUR LOC 4A

MEASUREMENT NO. 200CA1821T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 3
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/11/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-300.677	38	-49.528	75	140.706	112	300.069	149	448.120	186	593.928	223	736.073
2	-292.762	39	-43.744	76	145.307	113	304.155	150	452.074	187	597.848	224	739.776
3	-284.918	40	-38.003	77	149.887	114	308.234	151	456.026	188	601.767	225	743.469
4	-277.146	41	-32 305	78	154.447	115	312.305	152	459.978	189	605.682	226	747.149
5	-269.445	42	-26.649	79	158.986	116	316.370	153	463.928	190	609.596	227	750 818
6	-261.814	43	-21.034	80	163.505	117	320.428	154	467.879	191	613.506	228	754.475
7	-254.252	44	-15.459	81	168.004	118	324.480	155	471 828	192	617.414	229	758.119
8	-246.758	45	-9.924	82	172.484	119	328.526	156	475.777	193	621.319	230	761.751
9	-239.332	46	-4.428	83	176.946	120	332.567	157	479.725	194	625.221	231	765.369
10	-231.972	47	1.030	84	181.389	121	336.601	158	483.672	195	629.120	232	768.973
11	-224.677	48	6.450	85	185.815	122	340.630	159	487.619	196	633.015	233	772.564
12	-217.447	49	11.832	86	190.223	123	344.655	160	491.565	197	636.906	234	776.140
13	-210.281	50	17.178	87	194.615	124	348.674	161	495.511	198	640.794	235	779.701
14	-203.178	51	22.488	88	198.990	125	352.689	162	499.457	199	644.678	236	783.247
15	-196.137	52	27.763	89	203.349	126	356.699	163	503.402	200	648.557	237	786.778
16	-189.157	53	33.003	90	207.693	127	360.705	164	507.346	201	652.432	238	790.292
17	-182.239	54	38.209	91	212.021	128	364.707	165	511 290	202	656 303	239	793.790
18	-175.379	55	43.382	92	216.334	129	368.706	166	515.233	203	660.168	240	797.271
19	-168.579	56	48.522	93	220.634	130	372.700	167	519.176	204	664.029	241	800.735
20	-161.837	57	53.629	94	224.919	131	376.691	168	523.119	205	667.884	242	804.181
21	-155.152	58	58.705	95	229.190	132	380.679	169	527.061	206	671.734	243	807.609
22	-148.523	59	63.750	96	233.448	133	384.664	170	531.002	207	675.577	244	811.019
23	-141.951	60	68.765	97	237.694	134	388.646	171	534.942	208	679.415	245	814.409
24	-135.433	61	73.749	98	241.927	135	392.625	172	538.882	209	683.247	246	817.780
25	-128.969	62	78.705	99	246.148	136	396.602	173	542.821	210	687.072	247	821.130
26	-122.559	63	83.631	100	250.357	137	400.576	174	546.759	211	690 890	248	824.460
27	-116 202	64	88.530	101	254.554	138	404.547	175	550.697	212	694.701	249	827.770
28	-109.896	65	93.400	102	258.741	139	408.517	176	554.633	213	698 505	250	831 058
29	-103.641	66	98 244	103	262.916	140	412.485	177	558.569	214	702.301	251	834.323
30	-97.437	67	103 061	104	267.082	141	416.450	178	562.503	215	706.089	252	837.567
31	-91.283	68	107.852	105	271.237	142	420.414	179	566.436	216	709.869	253	840.788
32	-85.177	69	112 618	106	275.383	143	424.376	180	570.368	217	713.640	254	843.985
33	-79.119	70	117.358	107	279.519	144	428.337	181	574.299	218	717.403		
34	-73.109	71	122.075	108	283.646	145	432.296	182	578.228	219	721.156		
35	-67.146	72	126.767	109	287.764	146	436.254	183	582.156	220	724.901		
36	-61.228	73	131.436	110	291.874	147	440.211	184	586.082	221	728.635		
37	-55.356	74	136.082	111	295.975	148	444.166	185	590.006	222	732.359		

09/27/71

4 INSTALLATION DATE APRIL 11,1969

TEMP CREW HS ABL SUR LOC 7A

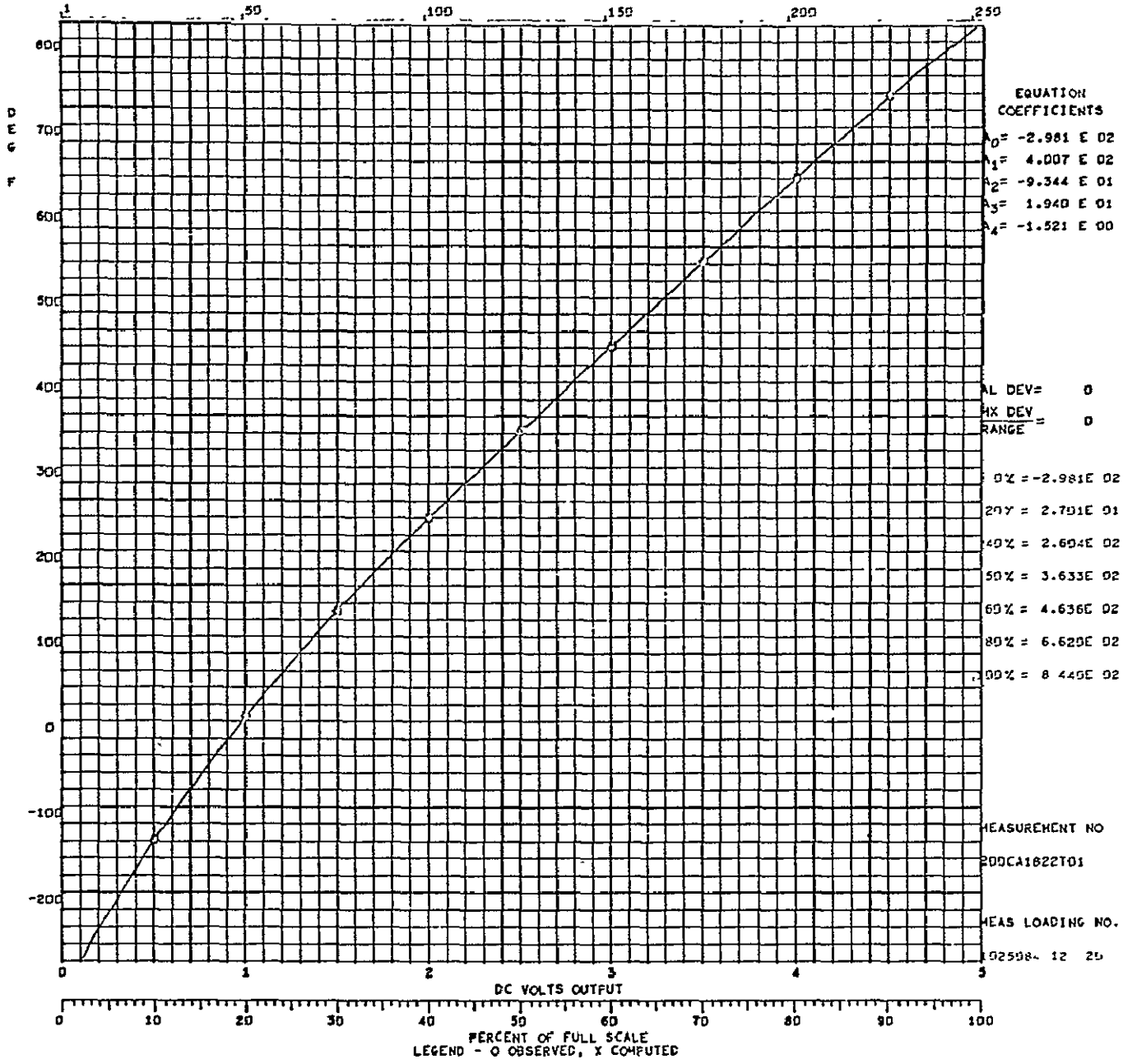
V CAL RANGE -298.117 TO 643.981

SC-113

HARDWARE CALIB. NO.
76093 01
56982 04
00

SERIAL NO.
N/A
3

=21515



EQUATION COEFFICIENTS

A_0= -2.981 E 02
A_1= 4.007 E 02
A_2= -9.344 E 01
A_3= 1.940 E 01
A_4= -1.521 E 00

AL DEV= 0
HX DEV = 0
RANGE

0% = -2.981E 02
20% = 2.791E 01
40% = 2.694E 02
50% = 3.633E 02
60% = 4.636E 02
80% = 6.620E 02
100% = 8.449E 02

MEASUREMENT NO
200CA1822T01

MEAS LOADING NO.
1925084 12 25

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP CREW HS ABL SUR LOC 7A

MEASUREMENT NO. 200CA1822T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 3
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/11/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-298.117	38	-47.932	75	141.756	112	300.807	149	448.647	186	594.265	223	736.216
2	-290.235	39	-42.168	76	146.347	113	304.887	150	452.595	187	598.180	224	739.914
3	-282.424	40	-36.446	77	150.916	114	308.959	151	456.542	188	602.093	225	743.601
4	-274.685	41	-30.767	78	155.465	115	313.024	152	460.489	189	606.005	226	747.277
5	-267.016	42	-25.129	79	159.994	116	317.082	153	464.434	190	609.911	227	750.941
6	-259.417	43	-19.531	80	164.502	117	321.134	154	468.379	191	613.817	228	754.592
7	-251.886	44	-13.974	81	168.992	118	325.180	155	472.323	192	617.720	229	758.231
8	-244.423	45	-8.457	82	173.462	119	329.220	156	476.267	193	621.619	230	761.858
9	-237.027	46	-2.978	83	177.914	120	333.254	157	480.210	194	625.516	231	765.471
10	-229.696	47	2.462	84	182.348	121	337.282	158	484.152	195	629.409	232	769.070
11	-222.431	48	7.865	85	186.764	122	341.306	159	488.094	196	633.299	233	772.656
12	-215.230	49	13.231	86	191.163	123	345.324	160	492.035	197	637.186	234	776.227
13	-208.093	50	18.561	87	195.546	124	349.337	161	495.976	198	641.068	235	779.784
14	-201.018	51	23.855	88	199.912	125	353.346	162	499.917	199	644.947	236	783.325
15	-194.005	52	29.114	89	204.262	126	357.351	163	503.856	200	648.821	237	786.850
16	-187.053	53	34.339	90	208.597	127	361.351	164	507.796	201	652.691	238	790.360
17	-180.161	54	39.530	91	212.917	128	365.347	165	511.735	202	656.556	239	793.853
18	-173.328	55	44.687	92	217.222	129	369.340	166	515.673	203	660.416	240	797.330
19	-166.554	56	49.812	93	221.512	130	373.329	167	519.611	204	664.271	241	800.789
20	-159.838	57	54.906	94	225.789	131	377.314	168	523.548	205	668.121	242	804.230
21	-153.178	58	59.967	95	230.052	132	381.297	169	527.485	206	671.965	243	807.654
22	-146.575	59	64.998	96	234.303	133	385.276	170	531.421	207	675.804	244	811.058
23	-140.027	60	69.999	97	238.540	134	389.252	171	535.356	208	679.636	245	814.444
24	-133.533	61	74.970	98	242.765	135	393.226	172	539.291	209	683.463	246	817.810
25	-127.094	62	79.912	99	246.978	136	397.197	173	543.225	210	687.282	247	821.157
26	-120.707	63	84.825	100	251.180	137	401.166	174	547.158	211	691.095	248	824.482
27	-114.373	64	89.710	101	255.370	138	405.132	175	551.090	212	694.901	249	827.787
28	-108.090	65	94.568	102	259.549	139	409.096	176	555.022	213	698.700	250	831.071
29	-101.858	66	99.399	103	263.717	140	413.059	177	558.952	214	702.490	251	834.332
30	-95.676	67	104.204	104	267.875	141	417.019	178	562.881	215	706.273	252	837.572
31	-89.543	68	108.983	105	272.023	142	420.977	179	566.809	216	710.048	253	840.788
32	-83.459	69	113.736	106	276.162	143	424.934	180	570.736	217	713.814	254	843.981
33	-77.422	70	118.465	107	280.291	144	428.890	181	574.662	218	717.572		
34	-71.433	71	123.170	108	284.411	145	432.844	182	578.586	219	721.320		
35	-65.490	72	127.851	109	288.522	146	436.796	183	582.508	220	725.059		
36	-59.593	73	132.508	110	292.625	147	440.748	184	586.429	221	728.788		
37	-53.740	74	137.143	111	296.720	148	444.698	185	590.348	222	732.507		

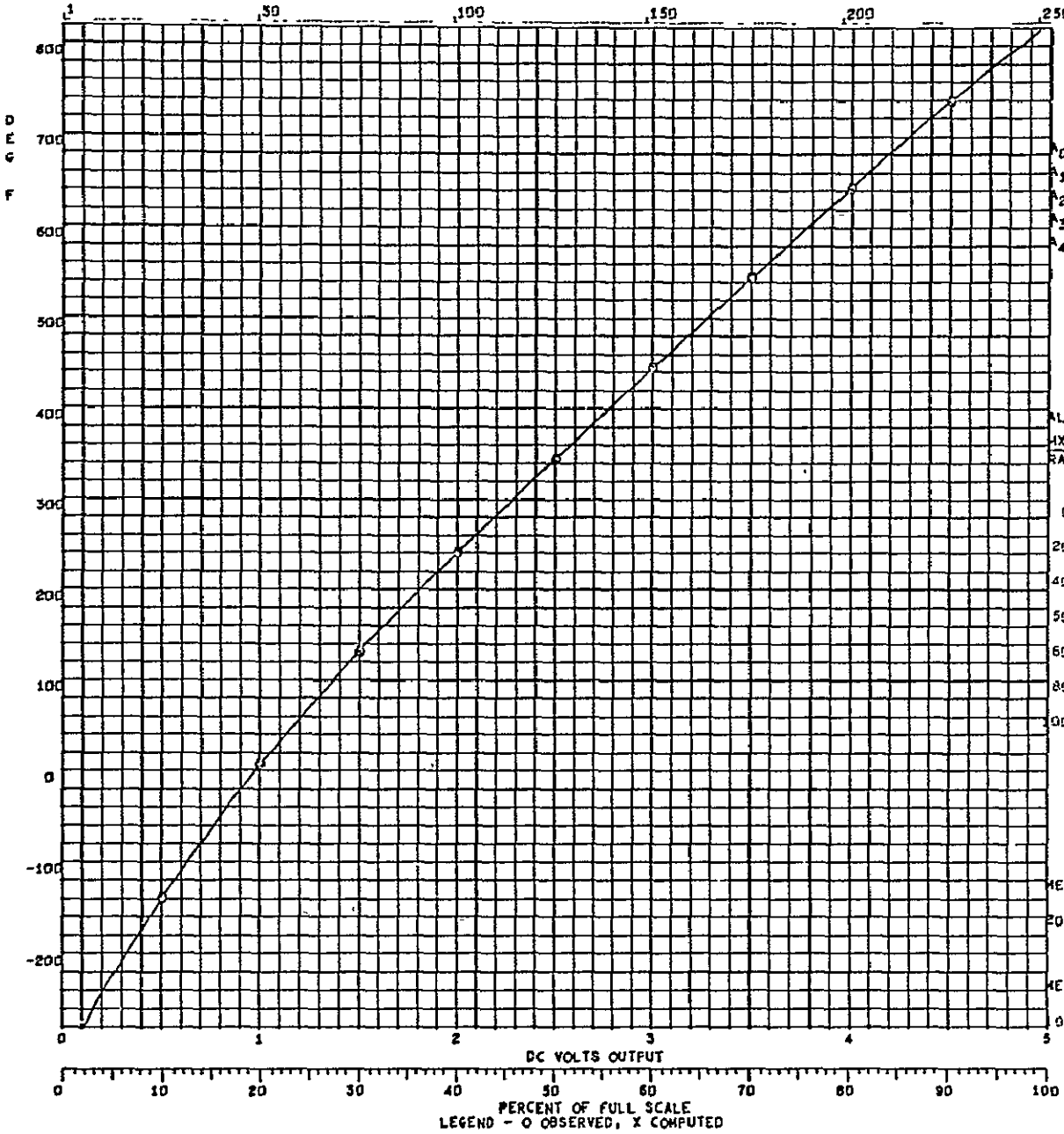
09/27/71
4 INSTALLATION DATE APRIL 11,1969
TEMP CREW HS ABL SUR LOC 10A
CAL RANGE -298.882 TO 846.910

SC-113

HARDWARE CALIB. NO.
76093 01
56981 04
00

SERIAL NO.
N/A
3

=21513



EQUATION COEFFICIENTS

A_0= -2.989 E 02
A_1= 4.027 E 02
A_2= -9.431 E 01
A_3= 1.965 E 01
A_4= -1.545 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -2.989E 02
20% = 2.758E 01
40% = 2.617E 02
50% = 3.650E 02
60% = 4.657E 02
80% = 6.647E 02
100% = 8.469E 02

MEASUREMENT NO.
200CA1823TD1

MEAS LOADING NO.
027052 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP CREW HS ABL SUR LOC 10A

MEASUREMENT NO. 200CA1823T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 3
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/11/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-298.882	38	-47.628	75	142.684	112	302.240	149	450.623	186	596.808	223	739.171
2	-290.961	39	-41.842	76	147.289	113	306.334	150	454.586	187	600.738	224	742.875
3	-283.113	40	-36.100	77	151.873	114	310.420	151	458.549	188	604.665	225	746.568
4	-275.336	41	-30.400	78	156.436	115	314.499	152	462.511	189	608.590	226	750.249
5	-267.631	42	-24.742	79	160.978	116	318.571	153	466.472	190	612.512	227	753.918
6	-259.995	43	-19.125	80	165.501	117	322.637	154	470.432	191	616.431	228	757.574
7	-252.429	44	-13.549	81	170.004	118	326.697	155	474.392	192	620.348	229	761.217
8	-244.931	45	-8.012	82	174.488	119	330.751	156	478.351	193	624.261	230	764.847
9	-237.500	46	-2.515	83	178.954	120	334.799	157	482.310	194	628.171	231	768.464
10	-230.136	47	2.944	84	183.401	121	338.842	158	486.268	195	632.078	232	772 066
11	-222.838	48	8.366	85	187.831	122	342.879	159	490.225	196	635.981	233	775.654
12	-215.605	49	13.750	86	192.244	123	346.912	160	494.182	197	639.880	234	779.227
13	-208.435	50	19.098	87	196.640	124	350.940	161	498.139	198	643.776	235	782.785
14	-201.329	51	24.409	88	201.020	125	354.963	162	502.095	199	647.667	236	786.327
15	-194.285	52	29.686	89	205.384	126	358.982	163	506.050	200	651.554	237	789.853
16	-187.303	53	34.928	90	209.732	127	362.997	164	510.005	201	655.436	238	793.363
17	-180.381	54	40.136	91	214.065	128	367.007	165	513.959	202	659.313	239	796.856
18	-173.519	55	45.310	92	218.383	129	371.014	166	517.913	203	663.185	240	800.331
19	-166.716	56	50.452	93	222.688	130	375.018	167	521.867	204	667.052	241	803.789
20	-159.971	57	55.562	94	226 978	131	379.018	168	525.819	205	670.914	242	807.229
21	-153.284	58	60.640	95	231.255	132	383.015	169	529.772	206	674.769	243	810.649
22	-146.653	59	65.687	96	235.518	133	387.009	170	533.723	207	678.619	244	814.051
23	-140.078	60	70.703	97	239.769	134	391.001	171	537.674	208	682.462	245	817.433
24	-133.558	61	75.690	98	244.008	135	394.989	172	541.624	209	686.299	246	820.795
25	-127.092	62	80.648	99	248.234	136	398.975	173	545.574	210	690.129	247	824.136
26	-120.680	63	85.577	100	252.449	137	402.959	174	549.522	211	693 952	248	827.457
27	-114.321	64	90.477	101	256.653	138	406.940	175	553.470	212	697.768	249	830.756
28	-108.013	65	95.350	102	260.845	139	410.919	176	557.416	213	701 576	250	834.033
29	-101.756	66	100.197	103	265.027	140	414.897	177	561.362	214	705.376	251	837.287
30	-95.550	67	105.016	104	269.199	141	418.872	178	565.306	215	709.168	252	840.518
31	-89.394	68	109.810	105	273.361	142	422.846	179	569.249	216	712.951	253	843.726
32	-83.286	69	114.578	106	277.513	143	426.818	180	573.191	217	716.726	254	846.910
33	-77.227	70	119.322	107	281.655	144	430.788	181	577.132	218	720.491		
34	-71.215	71	124.041	108	285.789	145	434.758	182	581.071	219	724.247		
35	-65.250	72	128.736	109	289.914	146	438.726	183	585.008	220	727.994		
36	-59.331	73	133.408	110	294.031	147	442.692	184	588.943	221	731.730		
37	-53.457	74	138.057	111	298.140	148	446.658	185	592.877	222	735.456		

09/27/71

1 INSTALLATION DATE NOV. 13,1960

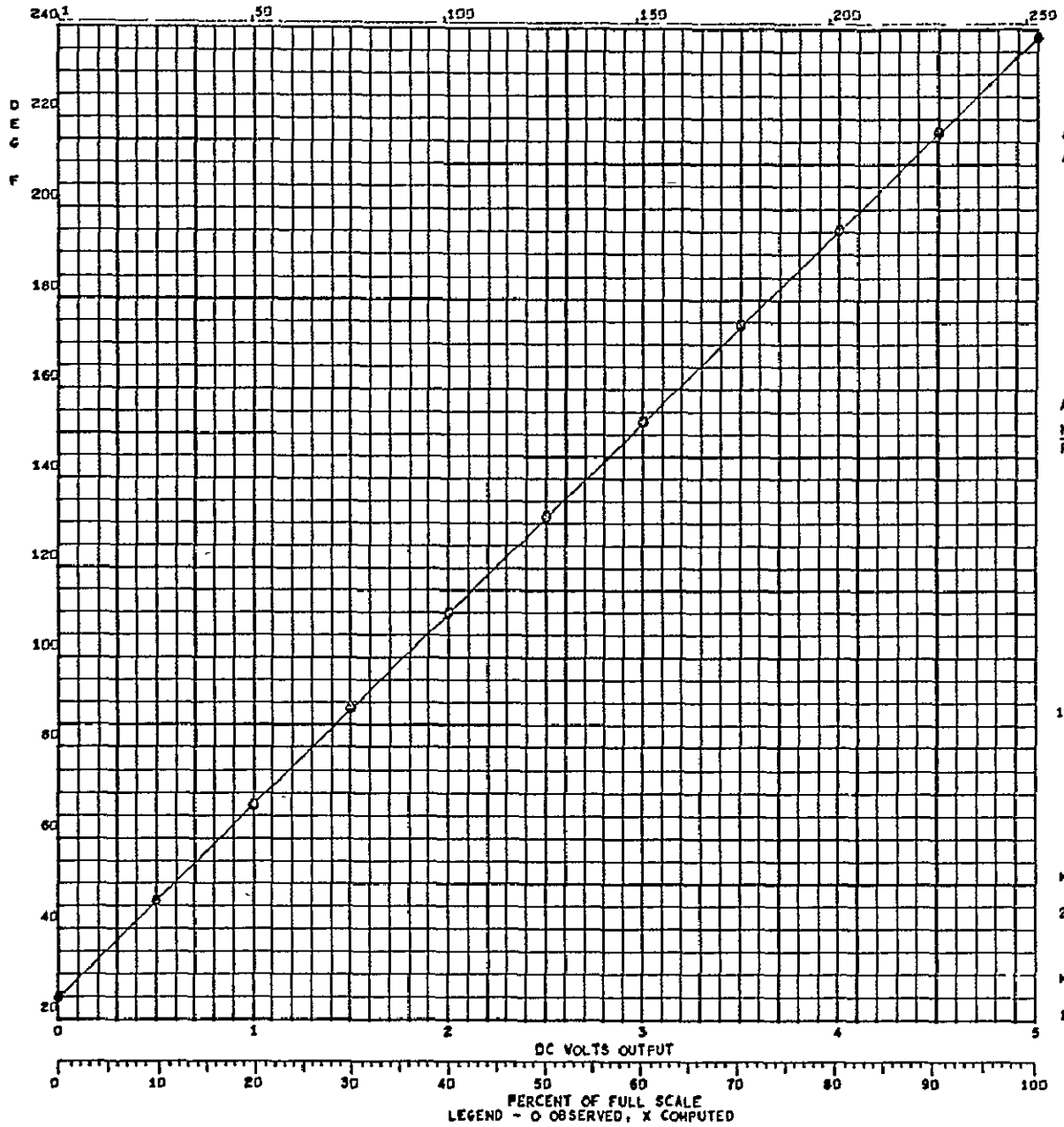
TEMP STATIC INVERTER 1

CAL RANGE 24.6206 TO 238.437

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81456 01	097240000097
81426 01	089781312025
00	0000000000000000000

=21515



EQUATION COEFFICIENTS

A_0= 2.462 E 01

A_1= 4.276 E 01

AL DEV= .00000

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .00000

0% = 2.462E 01

20% = 6.738E 01

40% = 1.101E 02

50% = 1.315E 02

60% = 1.529E 02

80% = 1.957E 02

100% = 2.384E 02

MEASUREMENT NO.

200CC0175T02

MEAS LOADING NO.

1029084 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP STATIC INVERTER 1

MEASUREMENT NO. 200C0175T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 097240000097
SIGNAL CONDITIONER SERIAL NO. 089781312025
AUXILIARY COMPONENT SERIAL NO 0000000000000000
CALIBRATION DATE 11/13/80

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	24.621	38	55.890	75	87.160	112	118.429	149	149.699	186	180.969	223	212.238
2	25.466	39	56.735	76	88 005	113	119.275	150	150.544	187	181.814	224	213.083
3	26.311	40	57.580	77	88.850	114	120.120	151	151.389	188	182.659	225	213.928
4	27.156	41	58.426	78	89.695	115	120.965	152	152.234	189	183.504	226	214.774
5	28.001	42	59.271	79	90.540	116	121.810	153	153.079	190	184.349	227	215.619
6	28.846	43	60.116	80	91.385	117	122.655	154	153.925	191	185.194	228	216.464
7	29.691	44	60.961	81	92.231	118	123.500	155	154.770	192	186 039	229	217.309
8	30.536	45	61.806	82	93.076	119	124.345	156	155.615	193	186.884	230	218.154
9	31.382	46	62.651	83	93.921	120	125.190	157	156.460	194	187.730	231	218.999
10	32.227	47	63.496	84	94.766	121	126.036	158	157.305	195	188.575	232	219.844
11	33.072	48	64.341	85	95.611	122	126 881	159	158.150	196	189.420	233	220.689
12	33.917	49	65.187	86	96.456	123	127.726	160	158.995	197	190.265	234	221.535
13	34.762	50	66.032	87	97.301	124	128.571	161	159.840	198	191.110	235	222.380
14	35.607	51	66 877	88	98.146	125	129.416	162	160.686	199	191.955	236	223.225
15	36.452	52	67.722	89	98.992	126	130.261	163	161.531	200	192 800	237	224.070
16	37.297	53	68.567	90	99.837	127	131.106	164	162.376	201	193.645	238	224.915
17	38.143	54	69.412	91	100.682	128	131.951	165	163.221	202	194.491	239	225.760
18	38.988	55	70.257	92	101.527	129	132.796	166	164.066	203	195.336	240	226 605
19	39.833	56	71.102	93	102.372	130	133.642	167	164.911	204	196.181	241	227.450
20	40.678	57	71.948	94	103.217	131	134.487	168	165.756	205	197.026	242	228.296
21	41.523	58	72.793	95	104.062	132	135.332	169	166.601	206	197.871	243	229.141
22	42.368	59	73.638	96	104.907	133	136.177	170	167.447	207	198.716	244	229.986
23	43.213	60	74.483	97	105.753	134	137.022	171	168.292	208	199.561	245	230.831
24	44.058	61	75.328	98	106.598	135	137.867	172	169.137	209	200.406	246	231.676
25	44.904	62	76.173	99	107.443	136	138.712	173	169.982	210	201.252	247	232.521
26	45.749	63	77.018	100	108.288	137	139.557	174	170.827	211	202 097	248	233.366
27	46.594	64	77.863	101	109.133	138	140.403	175	171.672	212	202.942	249	234.212
28	47.439	65	78.709	102	109.978	139	141.248	176	172.517	213	203.787	250	235.057
29	48.284	66	79.554	103	110 823	140	142.093	177	173.362	214	204.632	251	235.902
30	49.129	67	80.399	104	111.668	141	142.938	178	174.208	215	205.477	252	236.747
31	49.974	68	81.244	105	112.514	142	143.783	179	175.053	216	206.322	253	237.592
32	50.819	69	82.089	106	113.359	143	144.628	180	175 898	217	207.167	254	238.437
33	51.665	70	82.934	107	114.204	144	145.473	181	176.743	218	208 013		
34	52.510	71	83.779	108	115.049	145	146.318	182	177.588	219	208.858		
35	53.355	72	84.624	109	115.894	146	147.164	183	178.433	220	209.703		
36	54.200	73	85.470	110	116.739	147	148.009	184	179.278	221	210.548		
37	55.045	74	86.315	111	117.584	148	148.854	185	180.123	222	211.393		

09/27/71

1 INSTALLATION DATE NOV. 4,1960

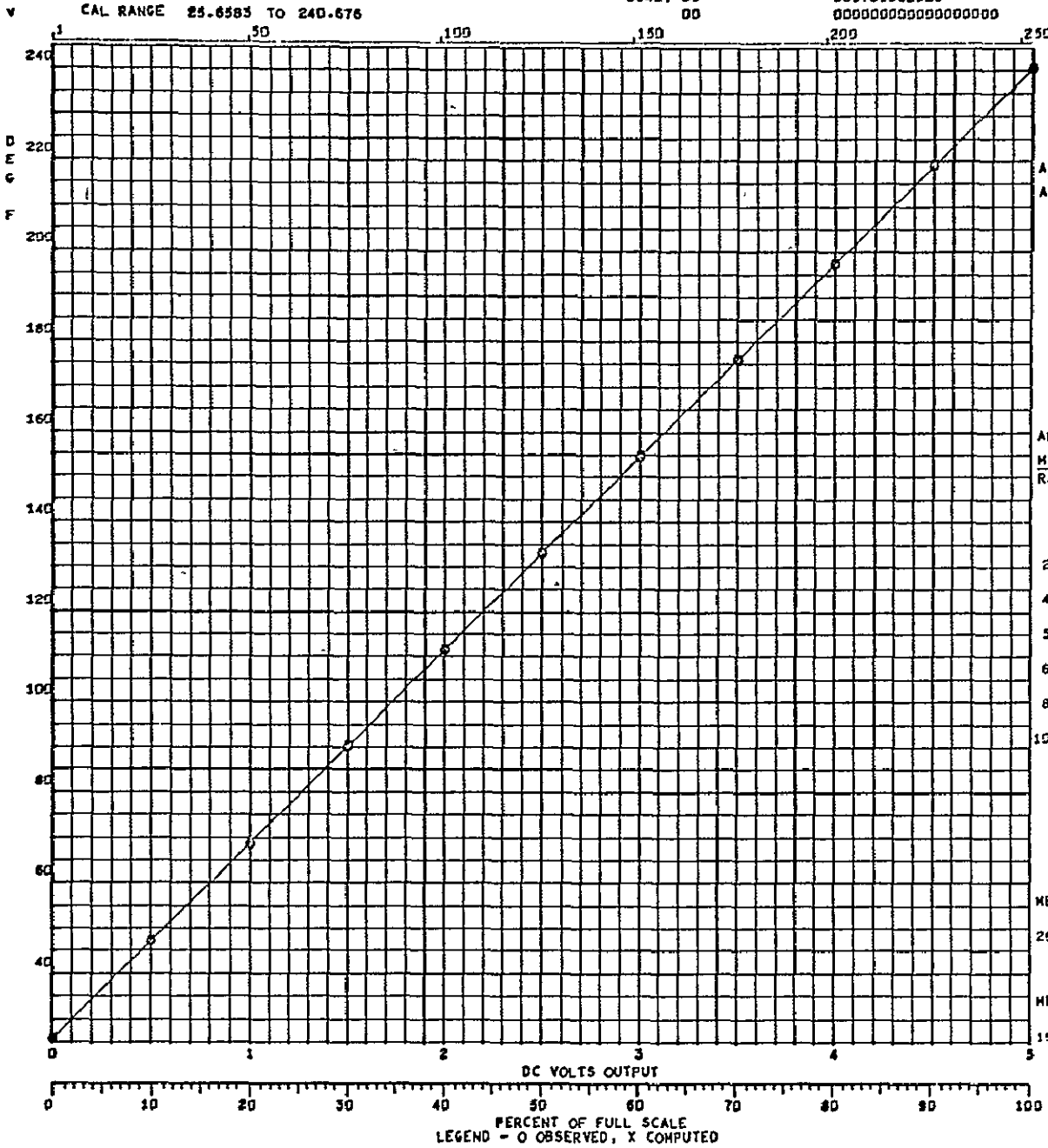
TEMP STATIC INVERTER 2

V CAL RANGE 25.6583 TO 240.676

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81455 01	097240000096
81427 01	089781312025
00	0000000000000000

#21515



EQUATION COEFFICIENTS

A_0= 2.568 E 01

A_1= 4.300 E 01

AL DEV= .00001

$\frac{MX\ DEV}{RANGE}$ = .00000

0% = 2.566E 01

20% = 6.866E 01

40% = 1.117E 02

50% = 1.332E 02

60% = 1.547E 02

80% = 1.977E 02

100% = 2.407E 02

MEASUREMENT NO.

209CC0176T02

MEAS LOADING NO.

1930952 12

**** CALIBRATION TABLE OF 8-BIT-COUNTS-VS ENGINEERING UNITS ****

TEMP STATIC INVERTER 2

MEASUREMENT NO. 200CC0176T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 097240000096
SIGNAL CONDITIONER SERIAL NO. 589781312025
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 11/04/60

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	25.658	38	57.104	75	88.549	112	119.994	149	151.439	186	182.884	223	214.330
2	26.508	39	57.953	76	89.399	113	120.844	150	152.289	187	183.734	224	215.179
3	27.358	40	58.803	77	90.248	114	121.694	151	153.139	188	184.584	225	216 029
4	28.208	41	59.653	78	91 098	115	122.544	152	153.989	189	185.434	226	216.879
5	29.058	42	60.503	79	91.948	116	123.393	153	154.839	190	186.284	227	217.729
6	29.908	43	61.353	80	92.798	117	124.243	154	155.688	191	187.134	228	218.579
7	30.758	44	62.203	81	93.648	118	125.093	155	156.538	192	187.984	229	219.429
8	31 607	45	63 053	82	94.498	119	125.943	156	157.388	193	188.833	230	220.279
9	32.457	46	63.902	83	95.348	120	126.793	157	158.238	194	189.683	231	221.129
10	33.307	47	64.752	84	96.198	121	127.643	158	159.088	195	190.533	232	221.978
11	34.157	48	65 602	85	97.047	122	128.493	159	159.938	196	191.383	233	222.828
12	35.007	49	66.452	86	97.897	123	129.342	160	160.788	197	192.233	234	223.678
13	35.857	50	67.302	87	98.747	124	130.192	161	161.638	198	193.083	235	224.528
14	36.707	51	68.152	88	99.597	125	131.042	162	162.487	199	193 933	236	225.378
15	37.557	52	69.002	89	100.447	126	131.892	163	163.337	200	194.783	237	226.228
16	38.406	53	69.852	90	101.297	127	132.742	164	164.187	201	195.632	238	227.078
17	39.256	54	70.701	91	102.147	128	133.592	165	165.037	202	196.482	239	227.927
18	40.106	55	71.551	92	102.997	129	134.442	166	165.887	203	197.332	240	228.777
19	40.956	56	72.401	93	103.846	130	135.292	167	166.737	204	198.182	241	229.627
20	41.806	57	73.251	94	104.696	131	136 141	168	167.587	205	199.032	242	230.477
21	42.656	58	74.101	95	105.546	132	136.991	169	168.437	206	199.882	243	231.327
22	43.506	59	74.951	96	106.396	133	137.841	170	169.286	207	200.732	244	232.177
23	44.355	60	75.801	97	107.246	134	138.691	171	170.136	208	201.581	245	233.027
24	45.205	61	76.651	98	108.096	135	139.541	172	170.986	209	202.431	246	233.877
25	46.055	62	77.500	99	108.946	136	140.391	173	171.836	210	203.281	247	234.726
26	46.905	63	78.350	100	109.795	137	141.241	174	172.686	211	204.131	248	235.576
27	47.755	64	79.200	101	110.645	138	142.091	175	173.536	212	204.981	249	236.426
28	48.605	65	80.050	102	111.495	139	142.940	176	174.386	213	205.831	250	237.276
29	49.455	66	80.900	103	112 345	140	143.790	177	175.235	214	206.681	251	238.126
30	50.305	67	81.750	104	113.195	141	144.640	178	176.085	215	207.531	252	238.976
31	51.154	68	82.600	105	114.045	142	145.490	179	176.935	216	208.380	253	239.826
32	52.004	69	83.450	106	114.895	143	146.340	180	177.785	217	209.230	254	240 676
33	52.854	70	84.299	107	115.745	144	147.190	181	178.635	218	210.080		
34	53.704	71	85.149	108	116.594	145	148.040	182	179.485	219	210.930		
35	54.554	72	85.999	109	117.444	146	148.890	183	180.335	220	211.780		
36	55.404	73	86.849	110	118.294	147	149.739	184	181.185	221	212.630		
37	56.254	74	87.699	111	119.144	148	150.589	185	182.034	222	213.480		

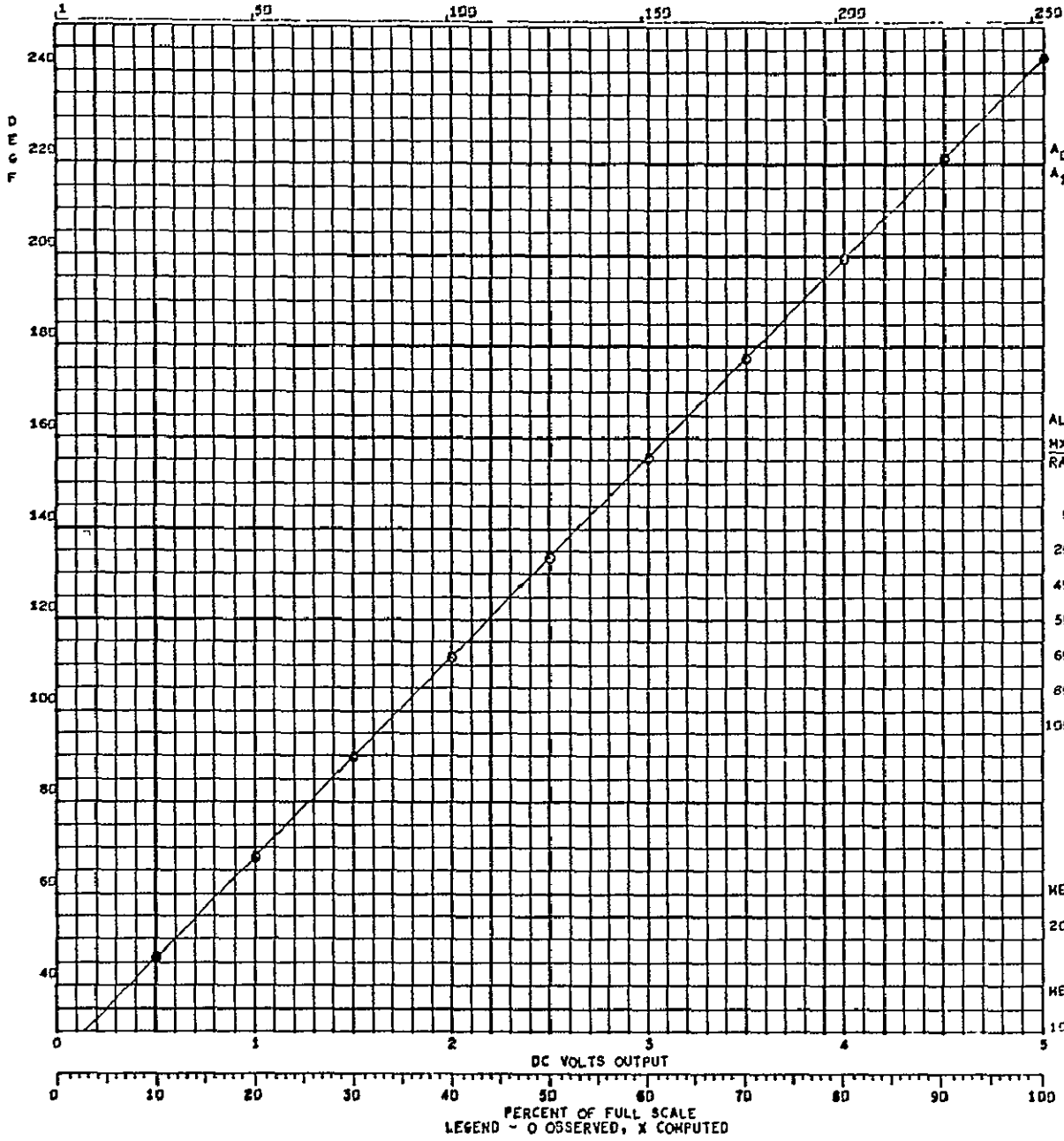
09/27/71
1 INSTALLATION DATE OCT. 1,1969
TEMP STATIC INVERTER 3
CAL RANGE 24.0630 TO 243.321

SC-113

HARDWARE CALIB. NO.
$1224 02
$1428 01
00

SERIAL NO.
097240000085
089781312026

#21515



EQUATION COEFFICIENTS

A_0= 2.406 E 01
A_1= 4.385 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 2.406E 01
20% = 6.791E 01
40% = 1.118E 02
50% = 1.337E 02
60% = 1.556E 02
80% = 1.995E 02
100% = 2 433E 02

MEASUREMENT NO.
200CC0177T01

MEAS LOADING NO
1030084 12 25

CALIBRATION-TABLE OF 8-BIT-COUNTS-VS ENGINEERING-UNITS-####

TEMP STATIC INVERTER 3

MEASUREMENT NO. 200CC0177T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 097240000085
SIGNAL CONDITIONER SERIAL NO. D89781312028
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

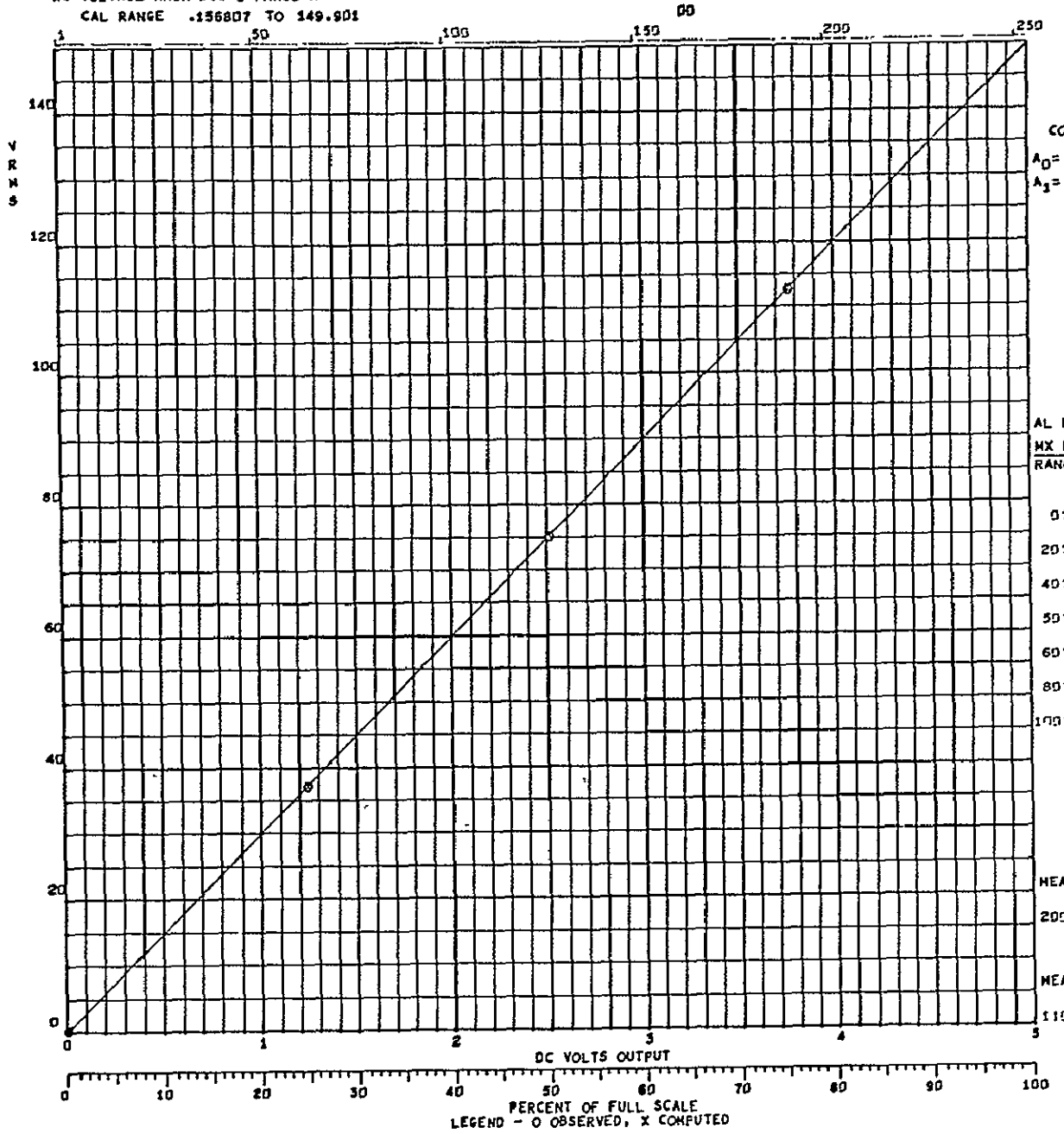
CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	24.063	38	56.128	75	88.194	112	120.259	149	152.325	186	184.390	223	216.456
2	24.930	39	56.995	76	89.061	113	121.126	150	153.191	187	185.257	224	217.322
3	25.796	40	57.862	77	89.927	114	121.993	151	154.058	188	186.124	225	218.189
4	26.663	41	58.728	78	90.794	115	122.859	152	154.925	189	186.990	226	219.056
5	27.529	42	59.595	79	91.660	116	123.726	153	155.791	190	187.857	227	219.922
6	28.396	43	60 462	80	92.527	117	124.593	154	156.658	191	188.723	228	220.789
7	29.263	44	61.328	81	93.394	118	125.459	155	157.525	192	189.590	229	221.656
8	30.129	45	62.195	82	94.260	119	126.326	156	158.391	193	190.457	230	222.522
9	30.996	46	63.062	83	95.127	120	127.192	157	159.258	194	191.323	231	223.389
10	31.863	47	63.928	84	95.994	121	128.059	158	160.125	195	192.190	232	224.256
11	32.729	48	64.795	85	96.860	122	128.926	159	160.991	196	193.057	233	225.122
12	33.596	49	65.661	86	97.727	123	129.792	160	161.858	197	193.923	234	225.989
13	34.463	50	66.528	87	98.594	124	130.659	161	162.724	198	194.790	235	226 855
14	35.329	51	67.395	88	99.460	125	131.526	162	163.591	199	195.657	236	227.722
15	36.196	52	68 261	89	100.327	126	132.392	163	164.458	200	196.523	237	228.589
16	37.062	53	69.128	90	101.193	127	133.259	164	165.324	201	197.390	238	229.455
17	37.929	54	69.995	91	102.060	128	134.126	165	166.191	202	198.256	239	230.322
18	38.796	55	70.861	92	102.927	129	134.992	166	167.058	203	199.123	240	231.189
19	39.662	56	71.728	93	103.793	130	135.859	167	167.924	204	199.990	241	232.055
20	40.529	57	72.594	94	104.660	131	136.725	168	168.791	205	200.856	242	232.922
21	41.396	58	73.461	95	105.527	132	137.592	169	169.658	206	201.723	243	233.789
22	42.262	59	74.328	96	106.393	133	138.459	170	170.524	207	202.590	244	234.655
23	43.129	60	75.194	97	107.260	134	139.325	171	171.391	208	203.456	245	235.522
24	43.996	61	76.061	98	108.126	135	140.192	172	172.257	209	204.323	246	236.388
25	44.862	62	76.928	99	108.993	136	141.059	173	173.124	210	205.190	247	237.255
26	45.729	63	77.794	100	109.860	137	141.925	174	173.991	211	206.056	248	238.122
27	46.595	64	78 661	101	110.726	138	142.792	175	174.857	212	206.923	249	238.988
28	47.462	65	79.528	102	111.593	139	143.658	176	175.724	213	207.789	250	239.855
29	48.329	66	80.394	103	112.460	140	144.525	177	176.591	214	208.656	251	240.722
30	49.195	67	81.261	104	113.326	141	145.392	178	177.457	215	209.523	252	241.588
31	50.062	68	82.127	105	114.193	142	146.258	179	178.324	216	210.389	253	242.455
32	50.929	69	82 994	106	115.060	143	147.125	180	179.191	217	211.256	254	243.322
33	51.795	70	83.861	107	115.926	144	147.992	181	180.057	218	212.123		
34	52.662	71	84.727	108	116.793	145	148.858	182	180.924	219	212.989		
35	53.529	72	85.594	109	117.659	146	149.725	183	181.790	220	213.856		
36	54.395	73	86.461	110	118.526	147	150.592	184	182.657	221	214.723		
37	55.262	74	87.327	111	119.393	148	151.458	185	183.524	222	215.589		

09/27/71
1 INSTALLATION DATE OCT. 1,1969
AC VOLTAGE MAIN BUS 1 PHASE A
CAL RANGE .156807 TO 149.901

SC-113

HARDWARE CALIB. NO. 81420 01 00 00
SERIAL NO. 03745077P024

=21515



EQUATION COEFFICIENTS

A_0= -2.292 E-02
A_1= 2.995 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-2 292E-02
20% = 2.993E 01
40% = 5 989E 01
50% = 7.486E 01
60% = 8.984E 01
80% = 1.198E 02
100% = 1.498E 02

MEASUREMENT NO.
200CC0200VD1

MEAS LOADING NO.
1155011 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

AC VOLTAGE MAIN BUS 1 PHASE A

MEASUREMENT NO. 200CC9200V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745077P024
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/31/69

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-0.023	38	21.881	75	43.785	112	65.688	149	87.592	186	109.496	223	131.400
2	0.569	39	22.473	76	44.377	113	66.280	150	88.184	187	110.088	224	131.992
3	1.161	40	23.065	77	44.969	114	66.872	151	88.776	188	110.680	225	132.584
4	1.753	41	23.657	78	45.561	115	67.464	152	89.368	189	111.272	226	133.176
5	2.345	42	24.249	79	46.153	116	68.056	153	89.960	190	111.864	227	133.768
6	2.937	43	24.841	80	46.745	117	68.648	154	90.552	191	112.456	228	134.360
7	3.529	44	25.433	81	47.337	118	69 240	155	91.144	192	113.048	229	134.952
8	4.121	45	26.025	82	47.929	119	69.832	156	91.736	193	113 640	230	135.544
9	4.713	46	26.617	83	48.521	120	70.424	157	92.328	194	114.232	231	136.135
10	5.305	47	27.209	84	49.112	121	71.016	158	92.920	195	114.824	232	136.727
11	5.897	48	27.801	85	49.704	122	71.608	159	93.512	196	115.416	233	137.319
12	6.489	49	28.393	86	50.296	123	72.200	160	94.104	197	116.008	234	137.911
13	7.081	50	28.985	87	50.888	124	72.792	161	94.696	198	116.600	235	138.503
14	7.673	51	29.577	88	51.480	125	73.384	162	95.288	199	117.192	236	139.095
15	8.265	52	30.169	89	52.072	126	73.976	163	95.880	200	117.784	237	139.687
16	8.857	53	30.761	90	52.664	127	74.568	164	96.472	201	118.376	238	140.279
17	9.449	54	31.353	91	53.256	128	75.160	165	97.064	202	118.968	239	140.871
18	10.041	55	31.945	92	53.848	129	75.752	166	97.656	203	119.560	240	141.463
19	10.633	56	32.537	93	54.440	130	76.344	167	98.248	204	120.152	241	142.055
20	11.225	57	33.129	94	55.032	131	76.936	168	98.840	205	120.744	242	142.647
21	11.817	58	33.721	95	55.624	132	77.528	169	99.432	206	121.336	243	143.239
22	12.409	59	34.313	96	56.216	133	78.120	170	100.024	207	121.928	244	143.831
23	13.001	60	34.905	97	56.808	134	78.712	171	100.616	208	122.520	245	144.423
24	13.593	61	35.497	98	57.400	135	79.304	172	101.208	209	123.112	246	145.015
25	14.185	62	36.089	99	57.992	136	79.896	173	101.800	210	123.704	247	145.607
26	14.777	1	36.681	100	58.584	137	80.488	174	102.392	211	124.296	248	146.199
27	15.369	64	37.273	101	59.176	138	81.080	175	102.984	212	124.888	249	146.791
28	15.961	65	37.865	102	59.768	139	81.672	176	103.576	213	125.480	250	147.383
29	16.553	66	38.457	103	60.360	140	82.264	177	104.168	214	126.072	251	147.975
30	17.145	67	39 049	104	60.952	141	82.856	178	104.760	215	126.664	252	148.567
31	17.737	68	39.641	105	61.544	142	83.448	179	105.352	216	127.256	253	149 159
32	18.329	69	40.233	106	62.136	143	84 040	180	105.944	217	127.848	254	149.751
33	18.921	70	40.825	107	62.728	144	84.632	181	106.536	218	128.440		
34	19.513	71	41.417	108	63.320	145	85.224	182	107.128	219	129.032		
35	20.105	72	42.009	109	63.912	146	85.816	183	107.720	220	129.624		
36	20.697	73	42.601	110	64.504	147	86.408	184	108.312	221	130.216		
37	21.289	74	43.193	111	65.096	148	87.000	185	108.904	222	130.808		

09/27/71 =21515

1 INSTALLATION DATE OCT. 1,1969

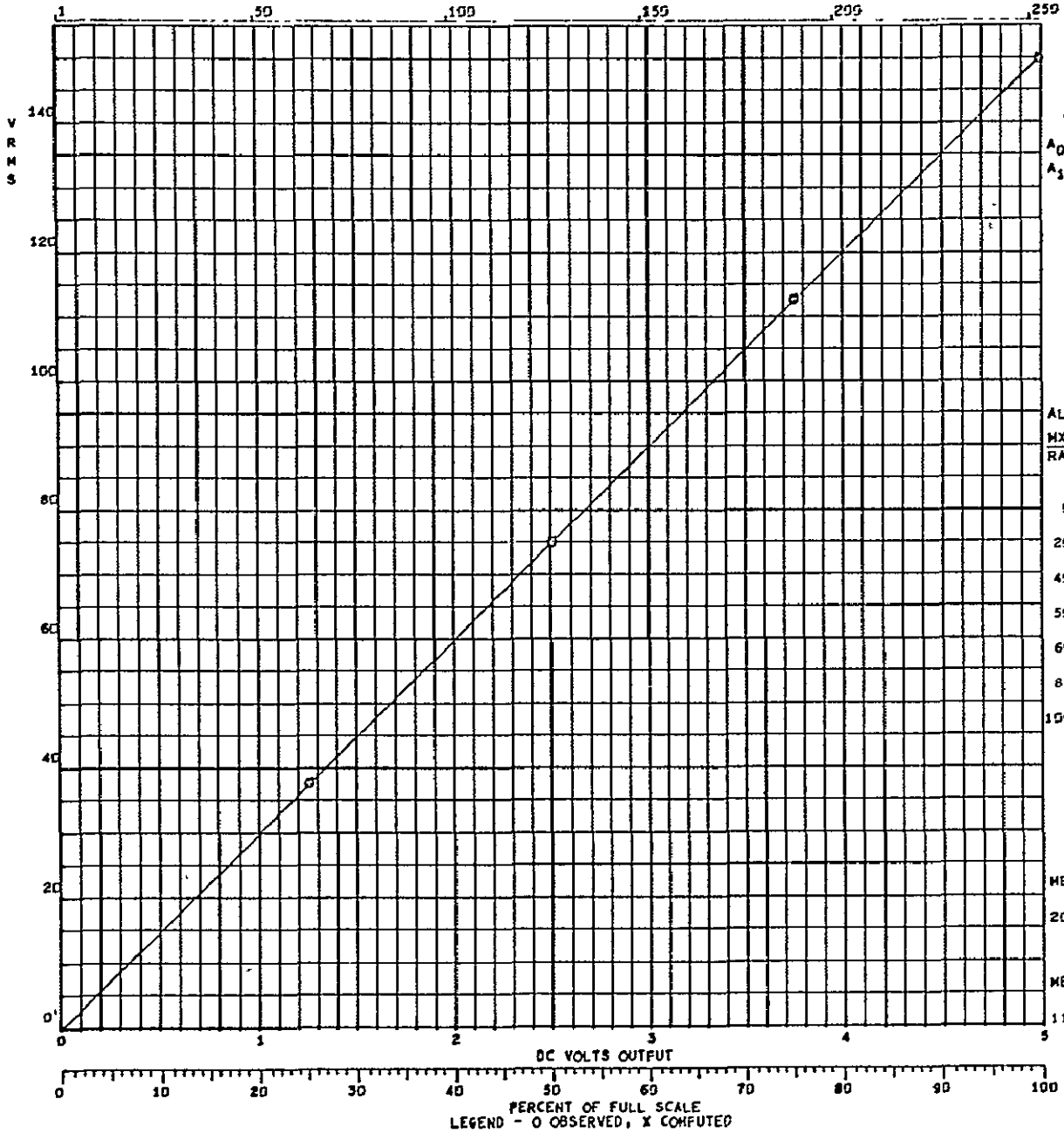
AC VOLTAGE MAIN BUS 2 PHASE A

V CAL RANGE -.127854 TO 149.905

SC-113

HARDWARE CALIB. NO. 81421 01 00 00

SERIAL NO. 03745077P024



EQUATION COEFFICIENTS

A_0= -1.579 E-01

A_1= 3.008 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = -1.579E-01

20% = 2.992E 01

40% = 6.999E 01

50% = 7.504E 01

60% = 9.998E 01

80% = 1.202E 02

100% = 1.502E 02

MEASUREMENT NO.

209CC0203V01

MEAS LOADING NO.

1192574 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS-VS ENGINEERING-UNITS ****

AC VOLTAGE MAIN BUS 2 PHASE A

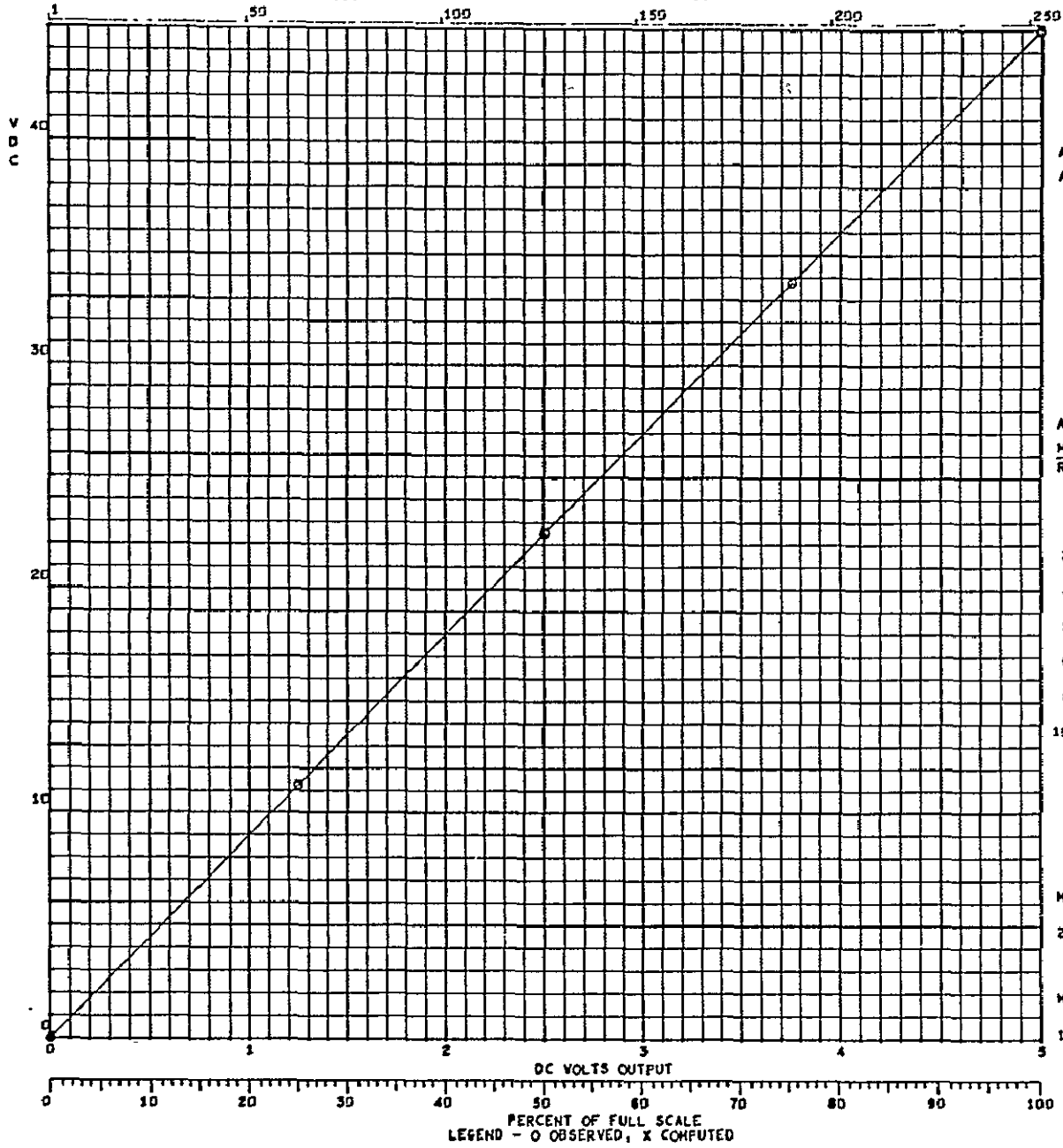
MEASUREMENT NO. 200CC0203V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745077P024
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-0.158	38	21.836	75	43.830	112	65.824	149	87.818	186	109.812	223	131.807
2	0.437	39	22.431	76	44.425	113	66.419	150	88.413	187	110.407	224	132.401
3	1.031	40	23.025	77	45.019	114	67.013	151	89.007	188	111.001	225	132.995
4	1.625	41	23.619	78	45.614	115	67.608	152	89.602	189	111.596	226	133.590
5	2.220	42	24.214	79	46.208	116	68.202	153	90.196	190	112.190	227	134.184
6	2 814	43	24.808	80	46.802	117	68.796	154	90.791	191	112.785	228	134.779
7	3.409	44	25.403	81	47.397	118	69.391	155	91.385	192	113.379	229	135.373
8	4.003	45	25.997	82	47.991	119	69.985	156	91.979	193	113.973	230	135.968
9	4.598	46	26 592	83	48.586	120	70.580	157	92.574	194	114.568	231	136.562
10	5.192	47	27.186	84	49.180	121	71.174	158	93.168	195	115.162	232	137.156
11	5.786	48	27.780	85	49.775	122	71.769	159	93.763	196	115.757	233	137.751
12	6.381	49	28.375	86	50.369	123	72.363	160	94.357	197	116.351	234	138.345
13	6.975	50	28.969	87	50.963	124	72.958	161	94.952	198	116.946	235	138.940
14	7.570	51	29.564	88	51.558	125	73.552	162	95.546	199	117.540	236	139.534
15	8.164	52	30.158	89	52.152	126	74.146	163	96.140	200	118.135	237	140.129
16	8.759	53	30.753	90	52.747	127	74.741	164	96.735	201	118.729	238	140.723
17	9.353	54	31.347	91	53.341	128	75.335	165	97.329	202	119.323	239	141.317
18	9.947	55	31.942	92	53.936	129	75.930	166	97.924	203	119.918	240	141.912
19	10.542	56	32.536	93	54.530	130	76.524	167	98.518	204	120.512	241	142.506
20	11.136	57	33.130	94	55.124	131	77.119	168	99.113	205	121.107	242	143.101
21	11.731	58	33.725	95	55.719	132	77.713	169	99.707	206	121.701	243	143.695
22	12.325	59	34.319	96	56.313	133	78.307	170	100.301	207	122.296	244	144.290
23	12.920	60	34.914	97	56.908	134	78.902	171	100.896	208	122.890	245	144.884
24	13.514	61	35.508	98	57.502	135	79.496	172	101.490	209	123.484	246	145.479
25	14.108	62	36.103	99	58.097	136	80.091	173	102.085	210	124.079	247	146.073
26	14.703	63	36.697	100	58 691	137	80.685	174	102.679	211	124.673	248	146.667
27	15.297	64	37.291	101	59.286	138	81.280	175	103.274	212	125.268	249	147.262
28	15.892	65	37.886	102	59.880	139	81.874	176	103.868	213	125.862	250	147.856
29	16.486	66	38.480	103	60.474	140	82.468	177	104.463	214	126.457	251	148 451
30	17.081	67	39.075	104	61.069	141	83.063	178	105.057	215	127.051	252	149.045
31	17.675	68	39.669	105	61.663	142	83.657	179	105.651	216	127.645	253	149.640
32	18.270	69	40.264	106	62.258	143	84.252	180	106.246	217	128.240	254	150.234
33	18.864	70	40.858	107	62.852	144	84.846	181	106.840	218	128.834		
34	19.458	71	41.452	108	63.447	145	85.441	182	107.435	219	129.429		
35	20.053	72	42 047	109	64.041	146	86.035	183	108.029	220	130.023		
36	20.647	73	42.641	110	64.635	147	86.629	184	108.624	221	130.618		
37	21.242	74	43.236	111	65.230	148	87.224	185	109.218	222	131.212		

09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC VOLTAGE MAIN BUS A
CAL RANGE -.014400 TO 44.9863

SC-113

HARDWARE CALIB. NO. 81422 01 00 00
SERIAL NO. 03745075P209
=21515



EQUATION COEFFICIENTS

A_0= -2.341 E-02
A_1= 9.015 E 00

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% =-2.341E-02
20% = 8.991E 00
40% = 1.801E 01
50% = 2.251E 01
60% = 2.702E 01
80% = 3.603E 01
100% = 4.505E 01

MEASUREMENT NO.
200CC0206V01

MEAS LOADING NO.
1102575 12 20

****** CALIBRATION TABLE OF 8-BIT-COUNTS-VS ENGINEERING UNITS ******

DC VOLTAGE MAIN BUS A

MEASUREMENT NO. 20DCC0206V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745075P209
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.023	38	6.568	75	13.160	112	19.752	149	26.343	186	32.935	223	39.527
2	0.155	39	6.746	76	13.338	113	19.930	150	26.521	187	33.113	224	39.705
3	0.333	40	6.925	77	13.516	114	20.108	151	26.700	188	33.291	225	39 883
4	0.511	41	7.103	78	13.694	115	20.286	152	26.878	189	33.469	226	40.061
5	0.689	42	7.281	79	13.873	116	20.464	153	27.056	190	33.648	227	40.239
6	0.867	43	7.459	80	14.051	117	20.642	154	27.234	191	33.826	228	40.417
7	1.046	44	7.637	81	14.229	118	20.821	155	27.412	192	34.004	229	40.596
8	1.224	45	7.815	82	14.407	119	20.999	156	27.590	193	34.182	230	40.774
9	1.402	46	7.993	83	14.585	120	21.177	157	27.769	194	34.360	231	40.952
10	1.580	47	8.172	84	14.763	121	21.355	158	27.947	195	34.538	232	41.130
11	1.758	48	8.350	85	14.941	122	21.533	159	28.125	196	34.717	233	41.308
12	1.936	49	8.528	86	15.120	123	21.711	160	28.303	197	34.895	234	41.486
13	2.114	50	8.706	87	15.298	124	21.889	161	28.481	198	35.073	235	41.665
14	2.293	51	8.884	88	15.476	125	22.068	162	28.659	199	35.251	236	41.843
15	2.471	52	9.062	89	15.654	126	22.246	163	28.837	200	35.429	237	42.021
16	2.649	53	9.241	90	15.832	127	22.424	164	29 016	201	35.607	238	42.199
17	2.827	54	9.419	91	16.010	128	22.602	165	29.194	202	35.785	239	42.377
18	3.005	55	9.597	92	16.189	129	22.780	166	29.372	203	35.964	240	42.555
19	3.183	56	9.775	93	16 367	130	22.958	167	29.550	204	36.142	241	42.733
20	3.362	57	9.953	94	16.545	131	23.137	168	29.728	205	36.320	242	42.912
21	3.540	58	10.131	95	16.723	132	23.315	169	29.906	206	36 498	243	43.090
22	3.718	59	10.309	96	16.901	133	23.493	170	30.085	207	36.676	244	43.268
23	3.896	60	10.488	97	17.079	134	23.671	171	30.263	208	36.854	245	43.446
24	4.074	61	10.666	98	17.257	135	23.849	172	30.441	209	37.033	246	43.624
25	4.252	62	10.844	99	17.436	136	24.027	173	30.619	210	37.211	247	43.802
26	4.430	63	11.022	100	17.614	137	24.205	174	30.797	211	37.389	248	43.981
27	4.609	64	11.200	101	17.792	138	24.384	175	30.975	212	37.567	249	44.159
28	4.787	65	11.378	102	17.970	139	24.562	176	31.153	213	37.745	250	44.337
29	4.965	66	11.557	103	18.148	140	24.740	177	31.332	214	37.923	251	44.515
30	5.143	67	11.735	104	18.326	141	24.918	178	31.510	215	38.101	252	44.693
31	5.321	68	11.913	105	18.505	142	25.096	179	31.688	216	38.280	253	44.871
32	5.499	69	12.091	106	18.683	143	25.274	180	31.866	217	38.458	254	45.049
33	5.677	70	12.269	107	18.861	144	25.453	181	32.044	218	38.636		
34	5.856	71	12 447	108	19.039	145	25.631	182	32.222	219	38.814		
35	6.034	72	12.625	109	19.217	146	25.809	183	32.401	220	38.992		
36	6.212	73	12.804	110	19.395	147	25.987	184	32.579	221	39.170		
37	6.390	74	12.982	111	19.573	148	26.165	185	32.757	222	39.349		

09/27/71

1 INSTALLATION DATE OCT. 1,1969

DC VOLTAGE MAIN BUS B

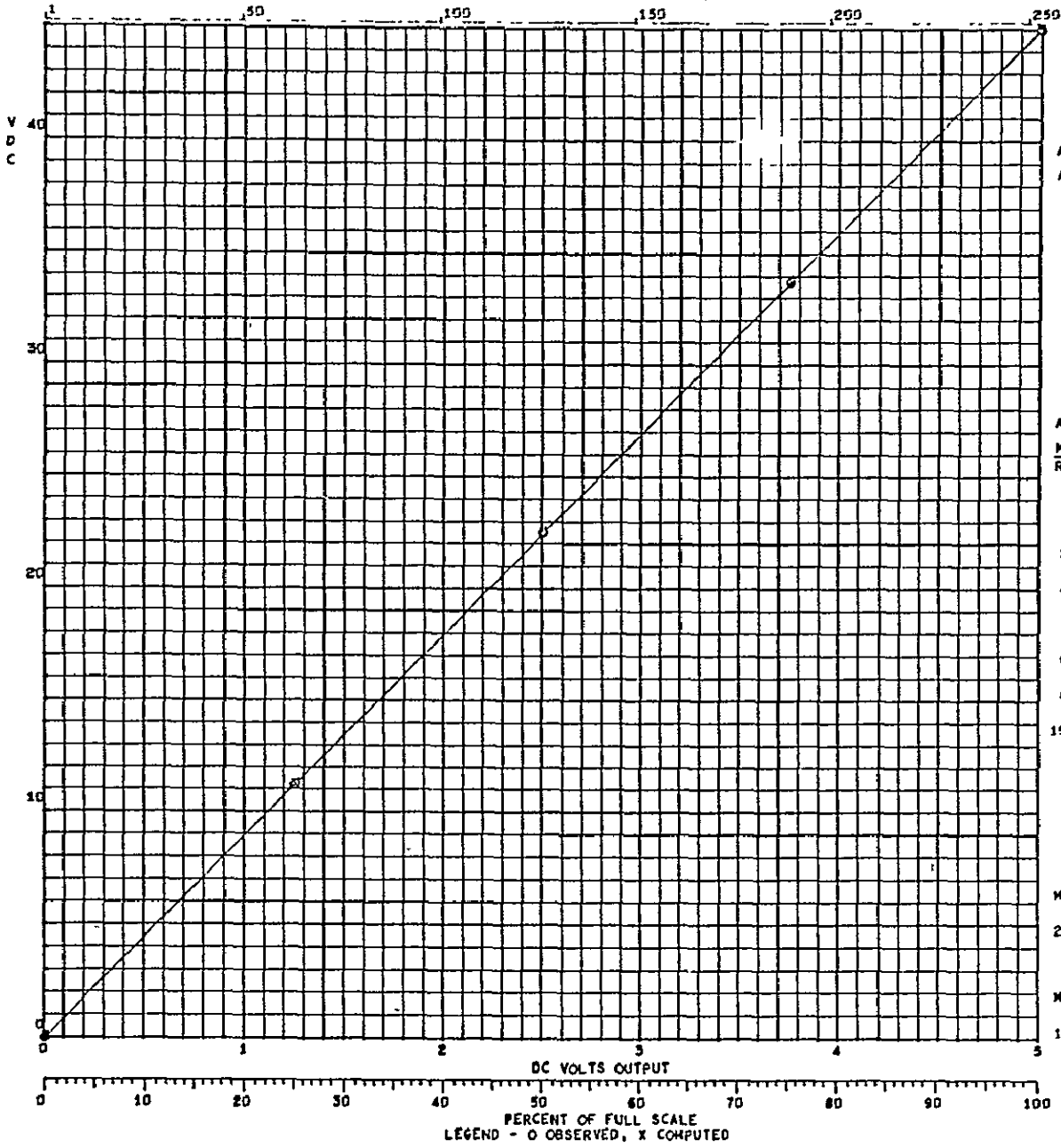
V CAL RANGE -.012589 TO 44.9819

SC-113

HARDWARE CALIB. NO. 81423 01 00 00

SERIAL NO. 03745075P209

#21515



EQUATION COEFFICIENTS

A_0= -3.060 E-02

A_1= 9.004 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -3.060E-02

20% = 8.974E 00

40% = 1.798E 01

50% = 2.248E 01

60% = 2.698E 01

80% = 3.599E 01

100% = 4.499E 01

MEASUREMENT NO

200CC0207V01

MEAS LOADING NO.

1102076 12 25

*** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ***

DC VOLTAGE MAIN BUS B

MEASUREMENT NO. 250CC9257V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745975F209
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.031	38	6.554	75	13.138	112	19.722	149	26.306	186	32.890	223	39.475
2	0.147	39	6.732	76	13.316	113	19.900	150	26.484	187	33.068	224	39.652
3	0.325	40	6.909	77	13.494	114	20.078	151	26.662	188	33.246	225	39.830
4	0.503	41	7.087	78	13.672	115	20.256	152	26 840	189	33.424	226	40.008
5	0.681	42	7.265	79	13.850	116	20.434	153	27.018	190	33.602	227	40.186
6	0.859	43	7.443	80	14.028	117	20.612	154	27.196	191	33.780	228	40.364
7	1.037	44	7.621	81	14.205	118	20.790	155	27.374	192	33.958	229	40.542
8	1.215	45	7.799	82	14.383	119	20.968	156	27.552	193	34.136	230	40.720
9	1.393	46	7.977	83	14.561	120	21.146	157	27.730	194	34.314	231	40.898
10	1.571	47	8.155	84	14.739	121	21.324	158	27.908	195	34.492	232	41.076
11	1.749	48	8.333	85	14.917	122	21.501	159	28.086	196	34.670	233	41.254
12	1.927	49	8.511	86	15.095	123	21.679	160	28.264	197	34.848	234	41.432
13	2.105	50	8.689	87	15.273	124	21 857	161	28.442	198	35.026	235	41.610
14	2.283	51	8.867	88	15.451	125	22.035	162	28.619	199	35.204	236	41.788
15	2.461	52	9.045	89	15 629	126	22.213	163	28.797	200	35.382	237	41.966
16	2.639	53	9.223	90	15.807	127	22.391	164	28.975	201	35.560	238	42.144
17	2.817	54	9.401	91	15.985	128	22 569	165	29.153	202	35.738	239	42.322
18	2.995	55	9.579	92	16.163	129	22.747	166	29.331	203	35.915	240	42.500
19	3.173	56	9.757	93	16.341	130	22 925	167	29.509	204	36.093	241	42.678
20	3.350	57	9.935	94	16.519	131	23.103	168	29 687	205	36.271	242	42 856
21	3.528	58	10.113	95	16.697	132	23.281	169	29 865	206	36.449	243	43.034
22	3.706	59	10.291	96	16 875	133	23.459	170	30.043	207	36.627	244	43.211
23	3.884	60	10.469	97	17.053	134	23.637	171	30.221	208	36.805	245	43.389
24	4.062	61	10.646	98	17.231	135	23.815	172	30.399	209	36.983	246	43.567
25	4.240	62	10.824	99	17.409	136	23.993	173	30.577	210	37.161	247	43.745
26	4.418	63	11.002	100	17.587	137	24.171	174	30.755	211	37 339	248	43 923
27	4.596	64	11.180	101	17.764	138	24.349	175	30.933	212	37.517	249	44.101
28	4.774	65	11.358	102	17.942	139	24.527	176	31.111	213	37.695	250	44.279
29	4.952	66	11.536	103	18.120	140	24.705	177	31.289	214	37.873	251	44.457
30	5.130	67	11.714	104	18.298	141	24 883	178	31.467	215	38.051	252	44.635
31	5.308	68	11.892	105	18.476	142	25.060	179	31.645	216	38.229	253	44.813
32	5.486	69	12.070	106	18.654	143	25.238	180	31.823	217	38.407	254	44.991
33	5.664	70	12.248	107	18 832	144	25.416	181	32 001	218	38.585		
34	5.842	71	12.426	108	19.010	145	25.594	182	32.179	219	38.763		
35	6.020	72	12.604	109	19.188	146	25.772	183	32.356	220	38.941		
36	6.198	73	12.782	110	19.366	147	25.950	184	32.534	221	39.119		
37	6.376	74	12.960	111	19.544	148	26.128	185	32.712	222	39 297		

09/27/71

1 INSTALLATION DATE OCT. 1,1969

DC VOLTAGE BATTERY BUS A

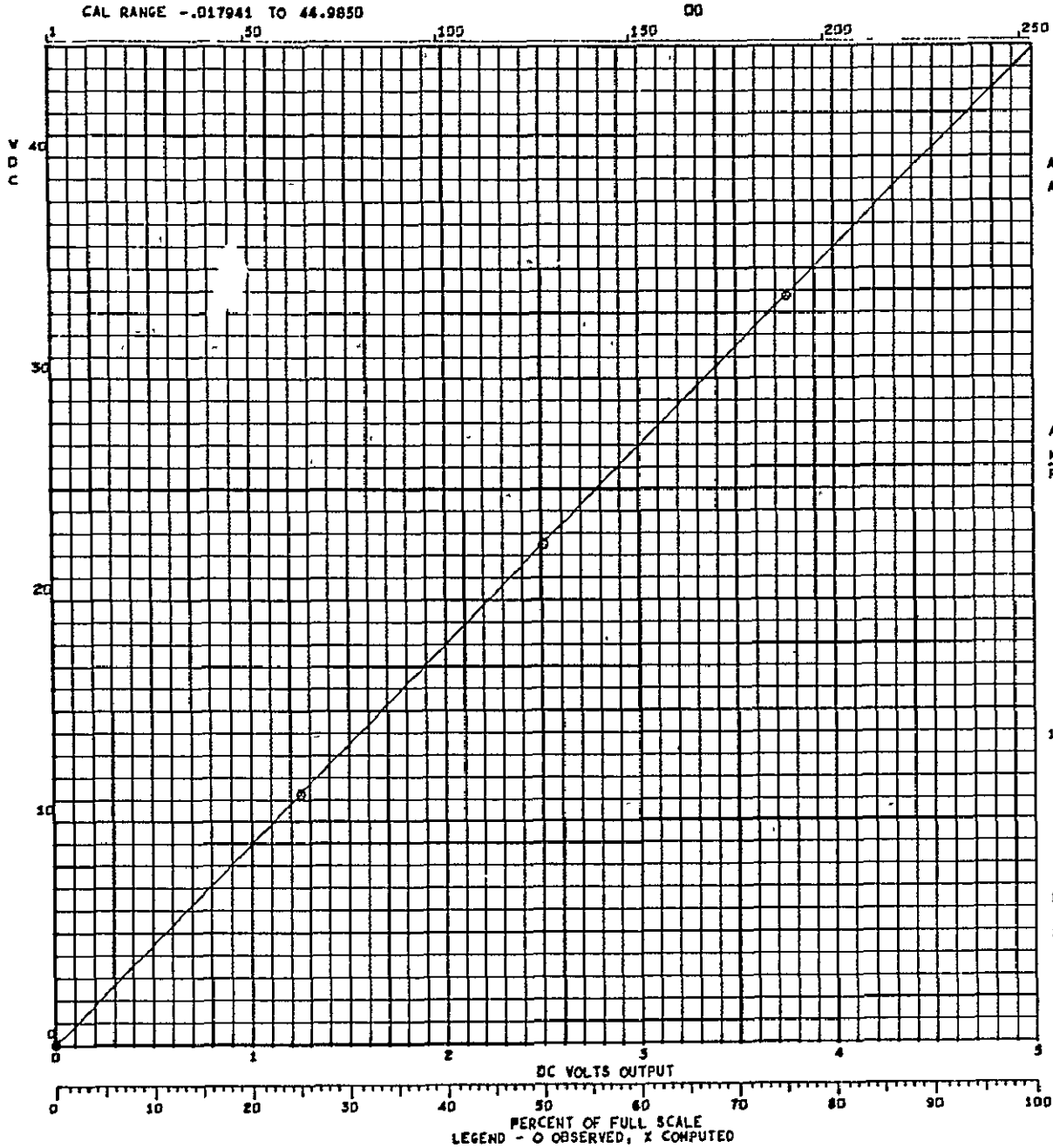
CAL RANGE -.017941 TO 44.9850

SC-113

HARDWARE CALIB. NO. 81424 01 00 00

SERIAL NO. 03745075P209

=21515



EQUATION COEFFICIENTS

A_0= -1.794 E-02

A_1= 8.988 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$= 0

0% =-1.794E-02

20% = 8.970E 00

40% = 1.796E 01

50% = 2.245E 01

60% = 2.695E 01

80% = 3.593E 01

100% = 4.492E 01

MEASUREMENT NO.

200CC0210V01

MEAS LOADING NO.

1103973 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

DC VOLTAGE BATTERY BUS A

MEASUREMENT NO. 200CC0210V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745075P209
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

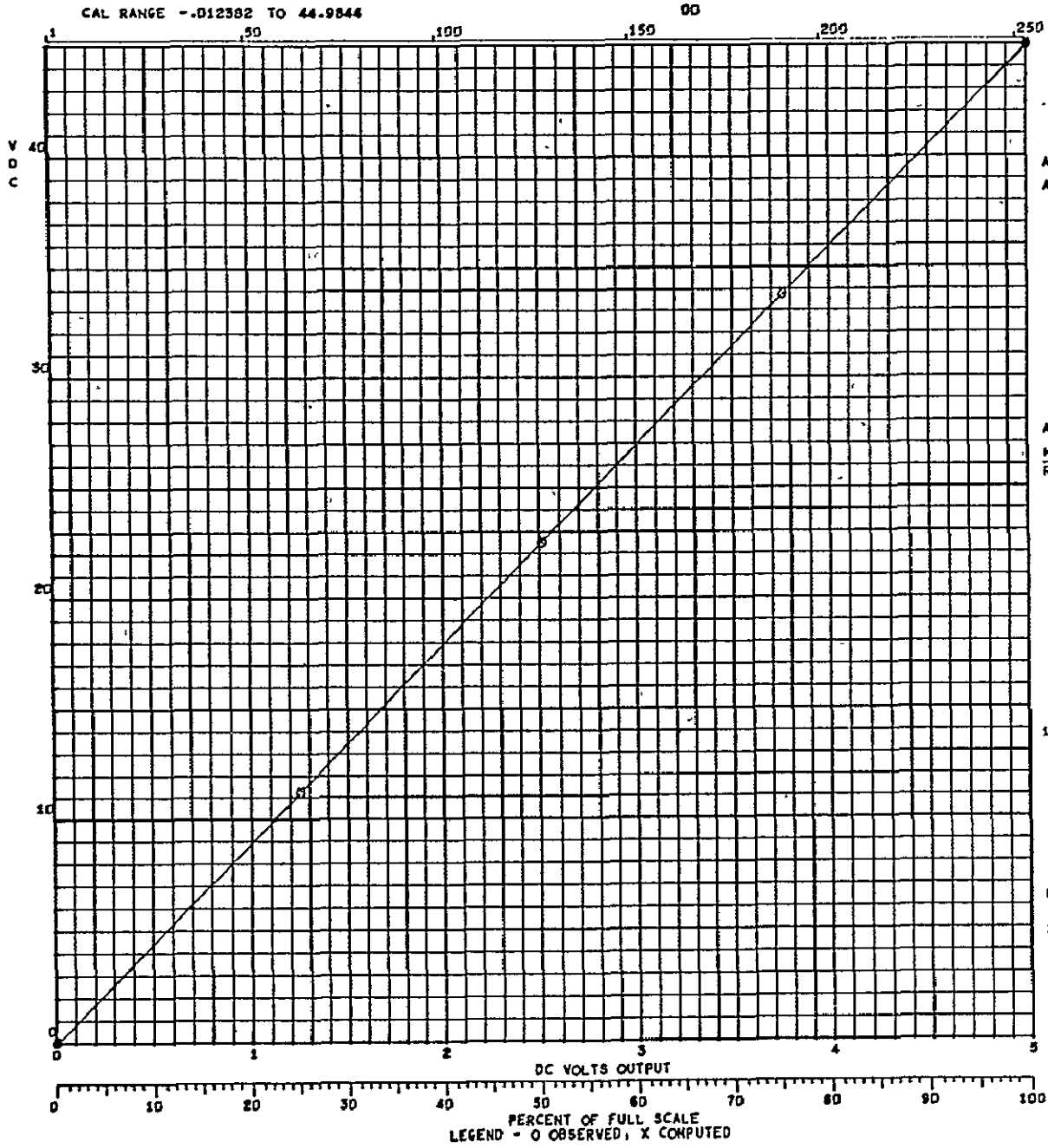
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.018	38	6.554	75	13.127	112	19.699	149	26.271	186	32.843	223	39.416
2	0.160	39	6.732	76	13.304	113	19.876	150	26.449	187	33.021	224	39.593
3	0.337	40	6.910	77	13.482	114	20.054	151	26.626	188	33.199	225	39.771
4	0.515	41	7.087	78	13.659	115	20.232	152	26.804	189	33.376	226	39.948
5	0.693	42	7.265	79	13.837	116	20.409	153	26.982	190	33.554	227	40.126
6	0.870	43	7.442	80	14.015	117	20.587	154	27.159	191	33.731	228	40.304
7	1.048	44	7.620	81	14.192	118	20.765	155	27.337	192	33.909	229	40.481
8	1.225	45	7.798	82	14.370	119	20.942	156	27.514	193	34.087	230	40.659
9	1.403	46	7.975	83	14.548	120	21.120	157	27.692	194	34.264	231	40.837
10	1.581	47	8.153	84	14.725	121	21.297	158	27.870	195	34.442	232	41.014
11	1.758	48	8.331	85	14.903	122	21.475	159	28.047	196	34.620	233	41.192
12	1.936	49	8.508	86	15.080	123	21.653	160	28.225	197	34.797	234	41.370
13	2.114	50	8.686	87	15.258	124	21.830	161	28.403	198	34.975	235	41.547
14	2.291	51	8.863	88	15.436	125	22.008	162	28.580	199	35.153	236	41.725
15	2.469	52	9.041	89	15.613	126	22.186	163	28.758	200	35.330	237	41.902
16	2.646	53	9.219	90	15.791	127	22.363	164	28.936	201	35.508	238	42.080
17	2.824	54	9.396	91	15.969	128	22.541	165	29.113	202	35.685	239	42.258
18	3.002	55	9.574	92	16.146	129	22.719	166	29.291	203	35.863	240	42.435
19	3.179	56	9.752	93	16.324	130	22.896	167	29.468	204	36.041	241	42.613
20	3.357	57	9.929	94	16.502	131	23.074	168	29.646	205	36.218	242	42.791
21	3.535	58	10.107	95	16.679	132	23.251	169	29.824	206	36.396	243	42.968
22	3.712	59	10.285	96	16.857	133	23.429	170	30.001	207	36.574	244	43.146
23	3.890	60	10.462	97	17.034	134	23.607	171	30.179	208	36.751	245	43.323
24	4.068	61	10.640	98	17.212	135	23.784	172	30.357	209	36.929	246	43.501
25	4.245	62	10.817	99	17.390	136	23.962	173	30.534	210	37.106	247	43.679
26	4.423	63	10.995	100	17.567	137	24.140	174	30.712	211	37.284	248	43.856
27	4.600	64	11.173	101	17.745	138	24.317	175	30.889	212	37.462	249	44.034
28	4.778	65	11.350	102	17.923	139	24.495	176	31.067	213	37.639	250	44.212
29	4.956	66	11.528	103	18.100	140	24.672	177	31.245	214	37.817	251	44.389
30	5.133	67	11.706	104	18.278	141	24.850	178	31.422	215	37.995	252	44.567
31	5.311	68	11.883	105	18.455	142	25.028	179	31.600	216	38.172	253	44.744
32	5.489	69	12.061	106	18.633	143	25.205	180	31.778	217	38.350	254	44.922
33	5.666	70	12.238	107	18.811	144	25.383	181	31.955	218	38.527		
34	5.844	71	12.416	108	18.988	145	25.561	182	32.133	219	38.705		
35	6.021	72	12.594	109	19.166	146	25.738	183	32.310	220	38.883		
36	6.199	73	12.771	110	19.344	147	25.916	184	32.488	221	39.060		
37	6.377	74	12.949	111	19.521	148	26.093	185	32.666	222	39.238		

09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC VOLTAGE BATTERY BUS B
CAL RANGE -.012382 TO 44.9844

SC-113

HARDWARE CALIB. NO. 81425 01 00 00
SERIAL NO. 03745075P209

=21515



EQUATION COEFFICIENTS

A_0= -3.038 E-02
A_1= 8.999 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -3.038E-02
20% = 8.969E 00
40% = 1.797E 01
50% = 2.247E 01
60% = 2.697E 01
80% = 3.597E 01
100% = 4.497E 01

MEASUREMENT NO.
200CC0211V01

MEAS LOADING NO.
1103075 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC VOLTAGE BATTERY BUS B

MEASUREMENT NO. 2DOCC0211V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745075P209
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.030	38	6.550	75	13.131	112	19.711	149	26.292	186	32.872	223	39.453
2	0.147	39	6.728	76	13.309	113	19.889	150	26.470	187	33.050	224	39.631
3	0.325	40	6.906	77	13.486	114	20.067	151	26.648	188	33.228	225	39.809
4	0.503	41	7.084	78	13.664	115	20.245	152	26.825	189	33.406	226	39.987
5	0.681	42	7.262	79	13.842	116	20.423	153	27.003	190	33.584	227	40.164
6	0.859	43	7.439	80	14.020	117	20.601	154	27.181	191	33.762	228	40.342
7	1.037	44	7.617	81	14.198	118	20.778	155	27.359	192	33.940	229	40.520
8	1.215	45	7.795	82	14.376	119	20.956	156	27.537	193	34.117	230	40.698
9	1.392	46	7.973	83	14.554	120	21.134	157	27.715	194	34.295	231	40.876
10	1.570	47	8.151	84	14.731	121	21.312	158	27.893	195	34.473	232	41.054
11	1.748	48	8.329	85	14.909	122	21.490	159	28.070	196	34.651	233	41.231
12	1.926	49	8.507	86	15.087	123	21.668	160	28.248	197	34.829	234	41.409
13	2.104	50	8.684	87	15.265	124	21.846	161	28.426	198	35.007	235	41.587
14	2.282	51	8.862	88	15.443	125	22.023	162	28.604	199	35.184	236	41.765
15	2.460	52	9.040	89	15.621	126	22.201	163	28.782	200	35.362	237	41.943
16	2.637	53	9.218	90	15.799	127	22.379	164	28.960	201	35.540	238	42.121
17	2.815	54	9.396	91	15.976	128	22.557	165	29.137	202	35.718	239	42.299
18	2.993	55	9.574	92	16.154	129	22.735	166	29.315	203	35.896	240	42.476
19	3.171	56	9.752	93	16.332	130	22.913	167	29.493	204	36.074	241	42.654
20	3.349	57	9.929	94	16.510	131	23.090	168	29.671	205	36.252	242	42.832
21	3.527	58	10.107	95	16.688	132	23.268	169	29.849	206	36.429	243	43.010
22	3.705	59	10.285	96	16.866	133	23.446	170	30.027	207	36.607	244	43.188
23	3.882	60	10.463	97	17.043	134	23.624	171	30.205	208	36.785	245	43.366
24	4.060	61	10.641	98	17.221	135	23.802	172	30.382	209	36.963	246	43.544
25	4.238	62	10.819	99	17.399	136	23.980	173	30.560	210	37.141	247	43.721
26	4.416	63	10.996	100	17.577	137	24.158	174	30.738	211	37.319	248	43.899
27	4.594	64	11.174	101	17.755	138	24.335	175	30.916	212	37.497	249	44.077
28	4.772	65	11.352	102	17.933	139	24.513	176	31.094	213	37.674	250	44.255
29	4.949	66	11.530	103	18.111	140	24.691	177	31.272	214	37.852	251	44.433
30	5.127	67	11.708	104	18.288	141	24.869	178	31.450	215	38.030	252	44.611
31	5.305	68	11.886	105	18.466	142	25.047	179	31.627	216	38.208	253	44.789
32	5.483	69	12.064	106	18.644	143	25.225	180	31.805	217	38.386	254	44.966
33	5.661	70	12.241	107	18.822	144	25.403	181	31.983	218	38.564		
34	5.839	71	12.419	108	19.000	145	25.580	182	32.161	219	38.742		
35	6.017	72	12.597	109	19.178	146	25.758	183	32.339	220	38.919		
36	6.194	73	12.775	110	19.356	147	25.936	184	32.517	221	39.097		
37	6.372	74	12.953	111	19.533	148	26.114	185	32.695	222	39.275		

09/27/71

1 INSTALLATION DATE OCT. 1,1969

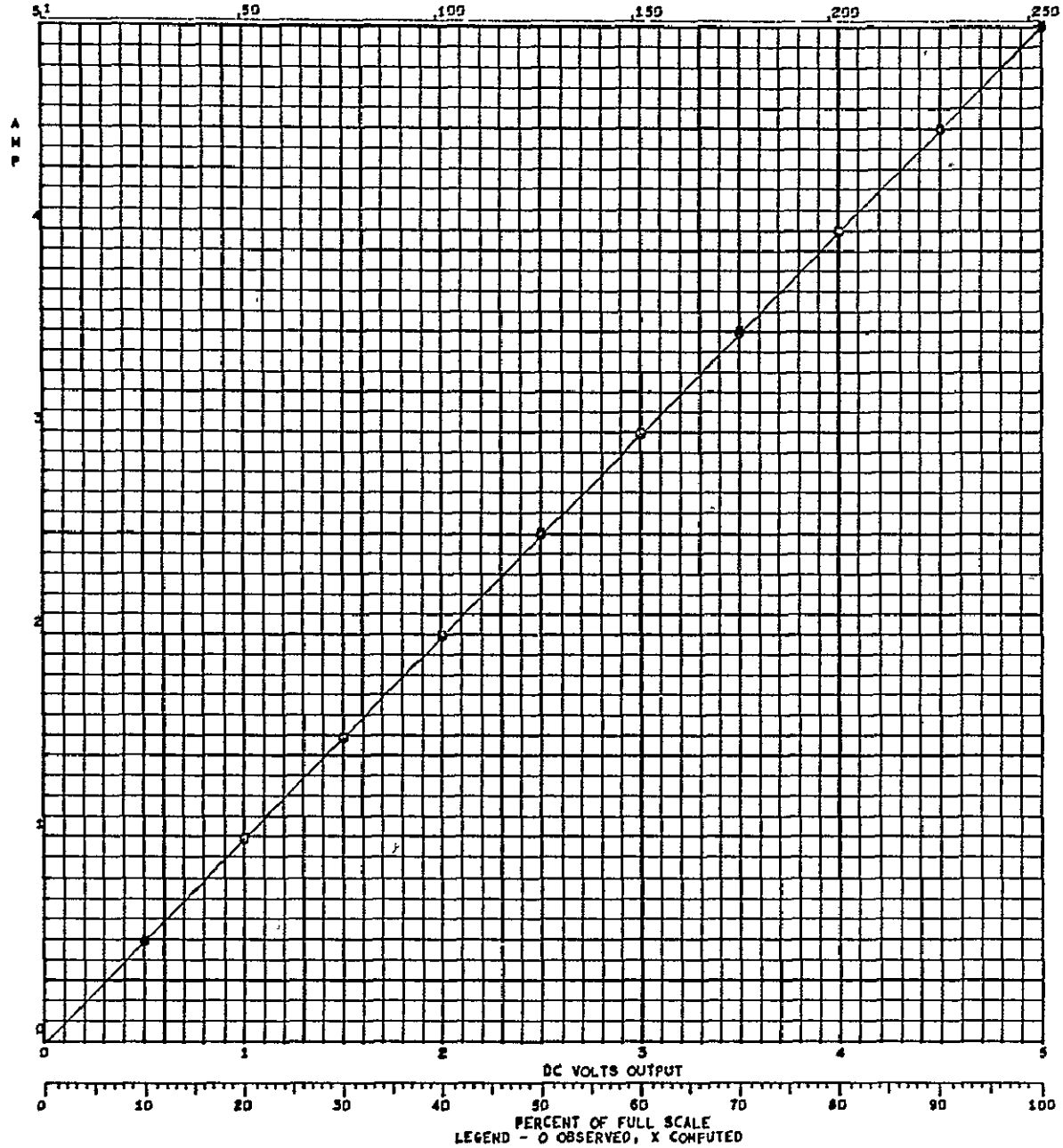
DC CURRENT BATT CHARGER OUT

CAL RANGE -.012028 TO 5.00040

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75729 01	N/A
81429 01	089781112139
00	

=21515



EQUATION COEFFICIENTS

A_0= -1.203 E-02

A_1= 1.002 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.203E-02

20% = 9.905E-01

40% = 1.993E 00

50% = 2.494E 00

60% = 2.995E 00

80% = 3.998E 00

100% = 5.000E 00

MEASUREMENT NO.

200CC0215C01

MEAS LOADING NO.

1103559 12 20

5 027

2-19

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

DC CURRENT BATT CHARGER OUT

MEASUREMENT NO. 200CC0215C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 089781112139
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	-0.012	38	0.721	75	1.454	112	2.187	149	2.920	186	3.653	223	4.386
2	0.008	39	0.741	76	1.474	113	2.207	150	2.940	187	3.673	224	4.406
3	0.028	40	0.761	77	1.494	114	2.227	151	2.960	188	3.693	225	4.426
4	0.047	41	0.780	78	1.513	115	2.247	152	2.980	189	3.713	226	4.446
5	0.067	42	0.800	79	1.533	116	2.266	153	2.999	190	3.732	227	4.465
6	0.087	43	0.820	80	1.553	117	2.286	154	3.019	191	3.752	228	4.485
7	0.107	44	0.840	81	1.573	118	2.306	155	3.039	192	3.772	229	4.505
8	0.127	45	0.860	82	1.593	119	2.326	156	3.059	193	3.792	230	4.525
9	0.146	46	0.880	83	1.613	120	2.346	157	3.079	194	3.812	231	4.545
10	0.166	47	0.899	84	1.632	121	2.365	158	3.098	195	3.831	232	4.565
11	0.186	48	0.919	85	1.652	122	2.385	159	3.118	196	3.851	233	4.584
12	0.206	49	0.939	86	1.672	123	2.405	160	3.138	197	3.871	234	4.604
13	0.226	50	0.959	87	1.692	124	2.425	161	3.158	198	3.891	235	4.624
14	0.246	51	0.979	88	1.712	125	2.445	162	3.178	199	3.911	236	4.644
15	0.265	52	0.998	89	1.731	126	2.464	163	3.198	200	3.931	237	4.664
16	0.285	53	1.018	90	1.751	127	2.484	164	3.217	201	3.950	238	4.683
17	0.305	54	1.038	91	1.771	128	2.504	165	3.237	202	3.970	239	4.703
18	0.325	55	1.058	92	1.791	129	2.524	166	3.257	203	3.990	240	4.723
19	0.345	56	1.078	93	1.811	130	2.544	167	3.277	204	4.010	241	4.743
20	0.364	57	1.097	94	1.830	131	2.564	168	3.297	205	4.030	242	4.763
21	0.384	58	1.117	95	1.850	132	2.583	169	3.316	206	4.049	243	4.782
22	0.404	59	1.137	96	1.870	133	2.603	170	3.336	207	4.069	244	4.802
23	0.424	60	1.157	97	1.890	134	2.623	171	3.356	208	4.089	245	4.822
24	0.444	61	1.177	98	1.910	135	2.643	172	3.376	209	4.109	246	4.842
25	0.463	62	1.197	99	1.930	136	2.663	173	3.396	210	4.129	247	4.862
26	0.483	63	1.216	100	1.949	137	2.682	174	3.415	211	4.148	248	4.882
27	0.503	64	1.236	101	1.969	138	2.702	175	3.435	212	4.168	249	4.901
28	0.523	65	1.256	102	1.989	139	2.722	176	3.455	213	4.188	250	4.921
29	0.543	66	1.276	103	2.009	140	2.742	177	3.475	214	4.208	251	4.941
30	0.563	67	1.296	104	2.029	141	2.762	178	3.495	215	4.228	252	4.961
31	0.582	68	1.315	105	2.048	142	2.781	179	3.515	216	4.248	253	4.981
32	0.602	69	1.335	106	2.068	143	2.801	180	3.534	217	4.267	254	5.000
33	0.622	70	1.355	107	2.088	144	2.821	181	3.554	218	4.287		
34	0.642	71	1.375	108	2.108	145	2.841	182	3.574	219	4.307		
35	0.662	72	1.395	109	2.128	146	2.861	183	3.594	220	4.327		
36	0.681	73	1.414	110	2.147	147	2.881	184	3.614	221	4.347		
37	0.701	74	1.434	111	2.167	148	2.900	185	3.633	222	4.366		

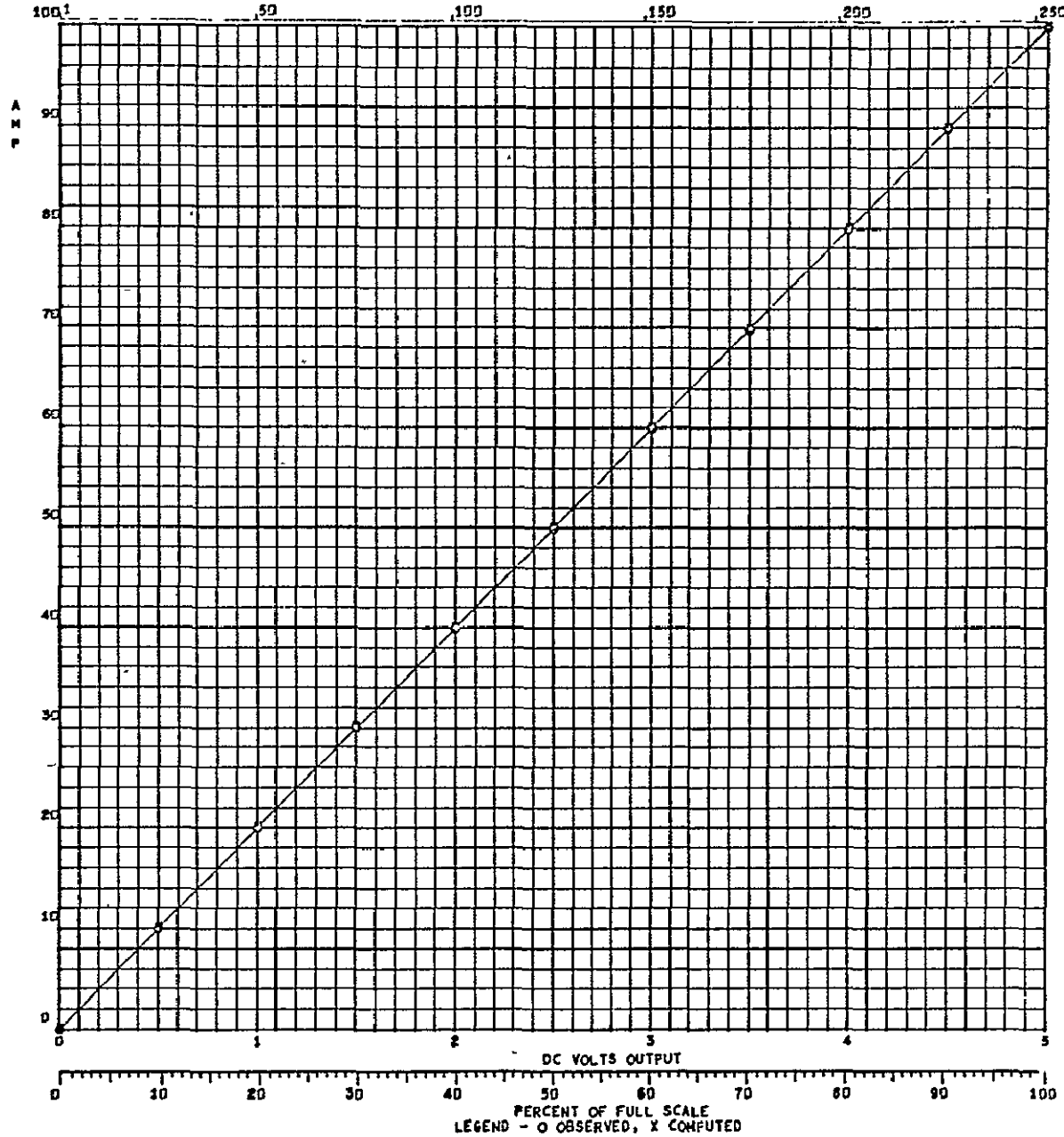
09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC CURRENT BATTERY A
CAL RANGE .051982 TO 99.9600

SC-113

HARDWARE CALIB. NO.
75730 01
81430 01
00

SERIAL NO.
N/A
0697811112139

=21515



EQUATION COEFFICIENTS

A_0= 5.198 E-02
A_1= 1.998 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 5.198E-02
20% = 2.003E 01
40% = 4.002E 01
50% = 5.001E 01
60% = 6.000E 01
80% = 7.998E 01
100% = 9.996E 01

MEASUREMENT NO.
200CC0222C01

MEAS LOADING NO.
1193010 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC CURRENT BATTERY A

MEASUREMENT NO. 200CC0222C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 089781112139
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	0.052	38	14.663	75	29.274	112	43.885	149	58.496	186	73.107	223	87.718
2	0.447	39	15.058	76	29.669	113	44.280	150	58.891	187	73.502	224	88.113
3	0.842	40	15.453	77	30.064	114	44.675	151	59.286	188	73.897	225	88.508
4	1.237	41	15.848	78	30.459	115	45.070	152	59.681	189	74.292	226	88 903
5	1.632	42	16.243	79	30.854	116	45.465	153	60.076	190	74.687	227	89.298
6	2.026	43	16.637	80	31.249	117	45.860	154	60.471	191	75.082	228	89.693
7	2.421	44	17.032	81	31.643	118	46.254	155	60.866	192	75.477	229	90.088
8	2.816	45	17.427	82	32.038	119	46.649	156	61.260	193	75.871	230	90.483
9	3.211	46	17.822	83	32.433	120	47.044	157	61.655	194	76.266	231	90.877
10	3.606	47	18.217	84	32.828	121	47.439	158	62.050	195	76.661	232	91.272
11	4.001	48	18.612	85	33.223	122	47.834	159	62.445	196	77.056	233	91.667
12	4.396	49	19.007	86	33.618	123	48.229	160	62.840	197	77.451	234	92.062
13	4.791	50	19.402	87	34.013	124	48.624	161	63.235	198	77.846	235	92.457
14	5.186	51	19.797	88	34.408	125	49.019	162	63.630	199	78.241	236	92 852
15	5.580	52	20.192	89	34.803	126	49.414	163	64.025	200	78.636	237	93.247
16	5.975	53	20.586	90	35.197	127	49.809	164	64.420	201	79.031	238	93.642
17	6.370	54	20.981	91	35.592	128	50.203	165	64.814	202	79.426	239	94.037
18	6.765	55	21.376	92	35.987	129	50.598	166	65.209	203	79.820	240	94.431
19	7.160	56	21.771	93	36.382	130	50.993	167	65.604	204	80.215	241	94.826
20	7.555	57	22.166	94	36.777	131	51.388	168	65.999	205	80.610	242	95.221
21	7.950	58	22.561	95	37.172	132	51.783	169	66.394	206	81.005	243	95.616
22	8.345	59	22.956	96	37.567	133	52.178	170	66.789	207	81.400	244	96.011
23	8.740	60	23.351	97	37.962	134	52.573	171	67.184	208	81.795	245	96.406
24	9.135	61	23.746	98	38.357	135	52.968	172	67.579	209	82.190	246	96.801
25	9.529	62	24.140	99	38.752	136	53.363	173	67.974	210	82.585	247	97.196
26	9.924	63	24.535	100	39.146	137	53.757	174	68.369	211	82.980	248	97.591
27	10.319	64	24.930	101	39.541	138	54.152	175	68.763	212	83.374	249	97.986
28	10.714	65	25.325	102	39.936	139	54.547	176	69.158	213	83.769	250	98.380
29	11.109	66	25.720	103	40.331	140	54.942	177	69.553	214	84.164	251	98.775
30	11.504	67	26.115	104	40.726	141	55.337	178	69.948	215	84.559	252	99.170
31	11.899	68	26.510	105	41.121	142	55.732	179	70.343	216	84.954	253	99.565
32	12.294	69	26.905	106	41.516	143	56.127	180	70.738	217	85.349	254	99.960
33	12.689	70	27.300	107	41.911	144	56.522	181	71.133	218	85.744		
34	13.083	71	27.695	108	42.306	145	56.917	182	71.528	219	86.139		
35	13.478	72	28.089	109	42.700	146	57.311	183	71.923	220	86.534		
36	13.873	73	28.484	110	43.095	147	57.706	184	72.317	221	86.928		
37	14.268	74	28.879	111	43.490	148	58.101	185	72.712	222	87.323		

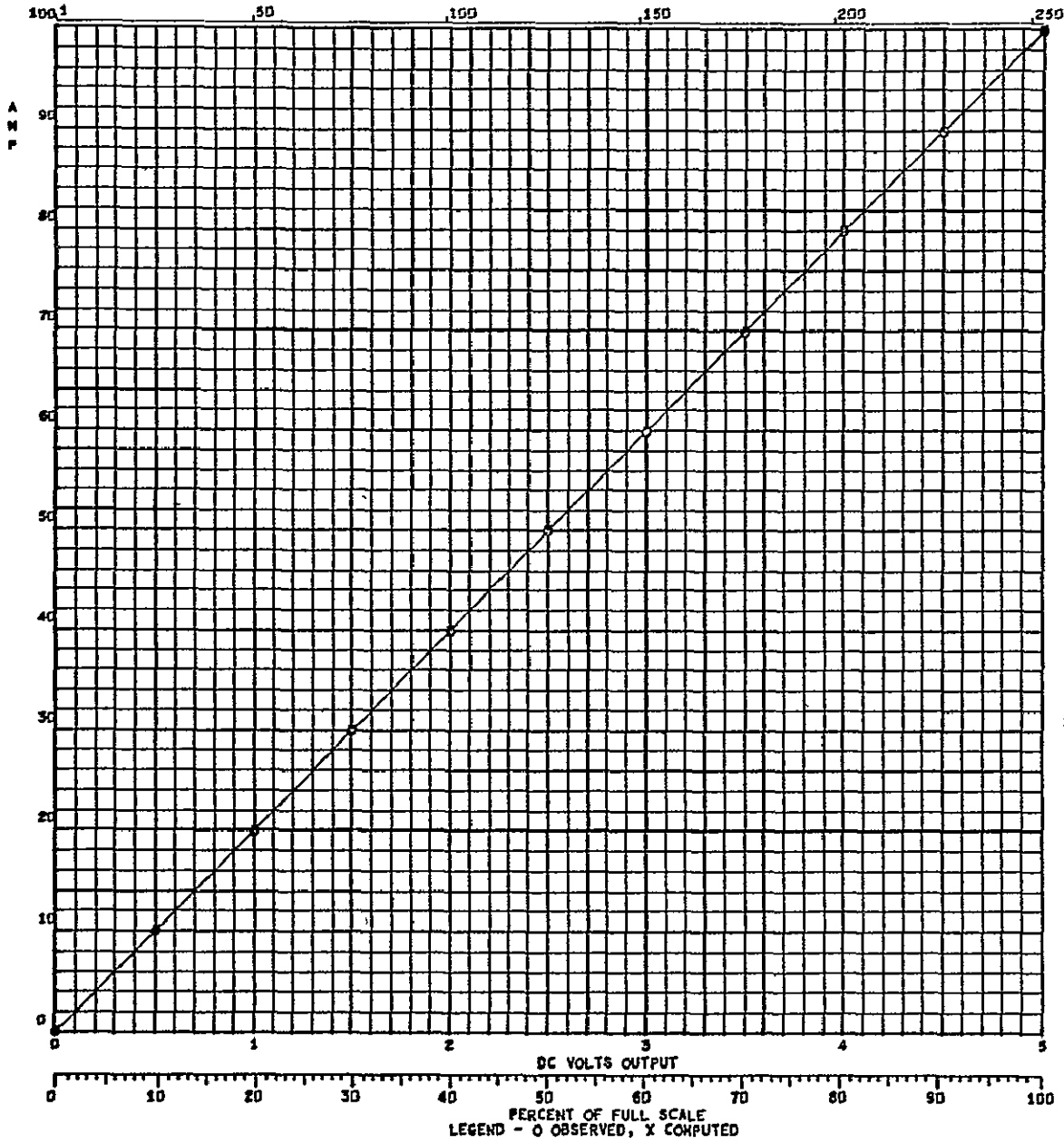
09/27/71
1 INSTALLATION DATE OCT. 1.1969
DC CURRENT BATTERY B
CAL RANGE .009998 TO 99.8941

SC-113

HARDWARE CALIB. NO.
75731 01
81431 01
00

SERIAL NO.
N/A
089781112098

=21515



EQUATION COEFFICIENTS

A_0= 9.998 E-03
A_1= 1.998 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 9.998E-03
20% = 1.999E 01
40% = 3.996E 01
50% = 4.995E 01
60% = 5.994E 01
80% = 7.992E 01
100% = 9.989E 01

MEASUREMENT NO.
200CC0223C01

MEAS LOADING NO.
1104009 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC CURRENT BATTERY B

MEASUREMENT NO. 200CC0223C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 089781112098
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	0.010	38	14.618	75	29.225	112	43.833	149	58.440	186	73.048	223	87.655
2	0.405	39	15.012	76	29.620	113	44.227	150	58.835	187	73.443	224	88.050
3	0.800	40	15.407	77	30.015	114	44.622	151	59.230	188	73.837	225	88.445
4	1.194	41	15.802	78	30.410	115	45.017	152	59.625	189	74.232	226	88.840
5	1.589	42	16.197	79	30.804	116	45.412	153	60.019	190	74.627	227	89.235
6	1.984	43	16.592	80	31.199	117	45.807	154	60.414	191	75.022	228	89.629
7	2.379	44	16.986	81	31.594	118	46.201	155	60.809	192	75.417	229	90.024
8	2.774	45	17.381	82	31.989	119	46.596	156	61.204	193	75.811	230	90.419
9	3.168	46	17.776	83	32.384	120	46.991	157	61.599	194	76.206	231	90.814
10	3.563	47	18.171	84	32.778	121	47.386	158	61.993	195	76 601	232	91.209
11	3.958	48	18.566	85	33.173	122	47.781	159	62.388	196	76.996	233	91.603
12	4.353	49	18.960	86	33.568	123	48.175	160	62.783	197	77.391	234	91.998
13	4.748	50	19.355	87	33.963	124	48.570	161	63.178	198	77.785	235	92.393
14	5.142	51	19.750	88	34.357	125	48.965	162	63.573	199	78.180	236	92.788
15	5.537	52	20.145	89	34.752	126	49.360	163	63.967	200	78.575	237	93.183
16	5.932	53	20.540	90	35.147	127	49.755	164	64.362	201	78.970	238	93.577
17	6.327	54	20.934	91	35.542	128	50.149	165	64.757	202	79.365	239	93.972
18	6.722	55	21.329	92	35.937	129	50.544	166	65.152	203	79.759	240	94.367
19	7.116	56	21.724	93	36.331	130	50.939	167	65.547	204	80.154	241	94.762
20	7.511	57	22.119	94	36.726	131	51.334	168	65.941	205	80.549	242	95.157
21	7.906	58	22.514	95	37.121	132	51.729	169	66.336	206	80.944	243	95.551
22	8.301	59	22.908	96	37.516	133	52.123	170	66.731	207	81.339	244	95.946
23	8.696	60	23.303	97	37.911	134	52.518	171	67.126	208	81.733	245	96.341
24	9.090	61	23.698	98	38.305	135	52.913	172	67.521	209	82.128	246	96.736
25	9.485	62	24.093	99	38.700	136	53.308	173	67.915	210	82.523	247	97.131
26	9.880	63	24.488	100	39.095	137	53.703	174	68.310	211	82.918	248	97.525
27	10.275	64	24.882	101	39 490	138	54.097	175	68.705	212	83.313	249	97.920
28	10.670	65	25.277	102	39.885	139	54.492	176	69.100	213	83.707	250	98.315
29	11.064	66	25.672	103	40.279	140	54.887	177	69.495	214	84.102	251	98.710
30	11.459	67	26.067	104	40.674	141	55.282	178	69.889	215	84.497	252	99.105
31	11.854	68	26.462	105	41.069	142	55.677	179	70.284	216	84.892	253	99.499
32	12.249	69	26.856	106	41.464	143	56.071	180	70.679	217	85.287	254	99.894
33	12.644	70	27.251	107	41.859	144	56.466	181	71.074	218	85.681		
34	13.038	71	27.646	108	42 253	145	56.861	182	71.469	219	86.076		
35	13.433	72	28.041	109	42.648	146	57.256	183	71.863	220	86.471		
36	13.828	73	28.436	110	43.043	147	57.651	184	72.258	221	86 866		
37	14.223	74	28 830	111	43.438	148	58.045	185	72.653	222	87.261		

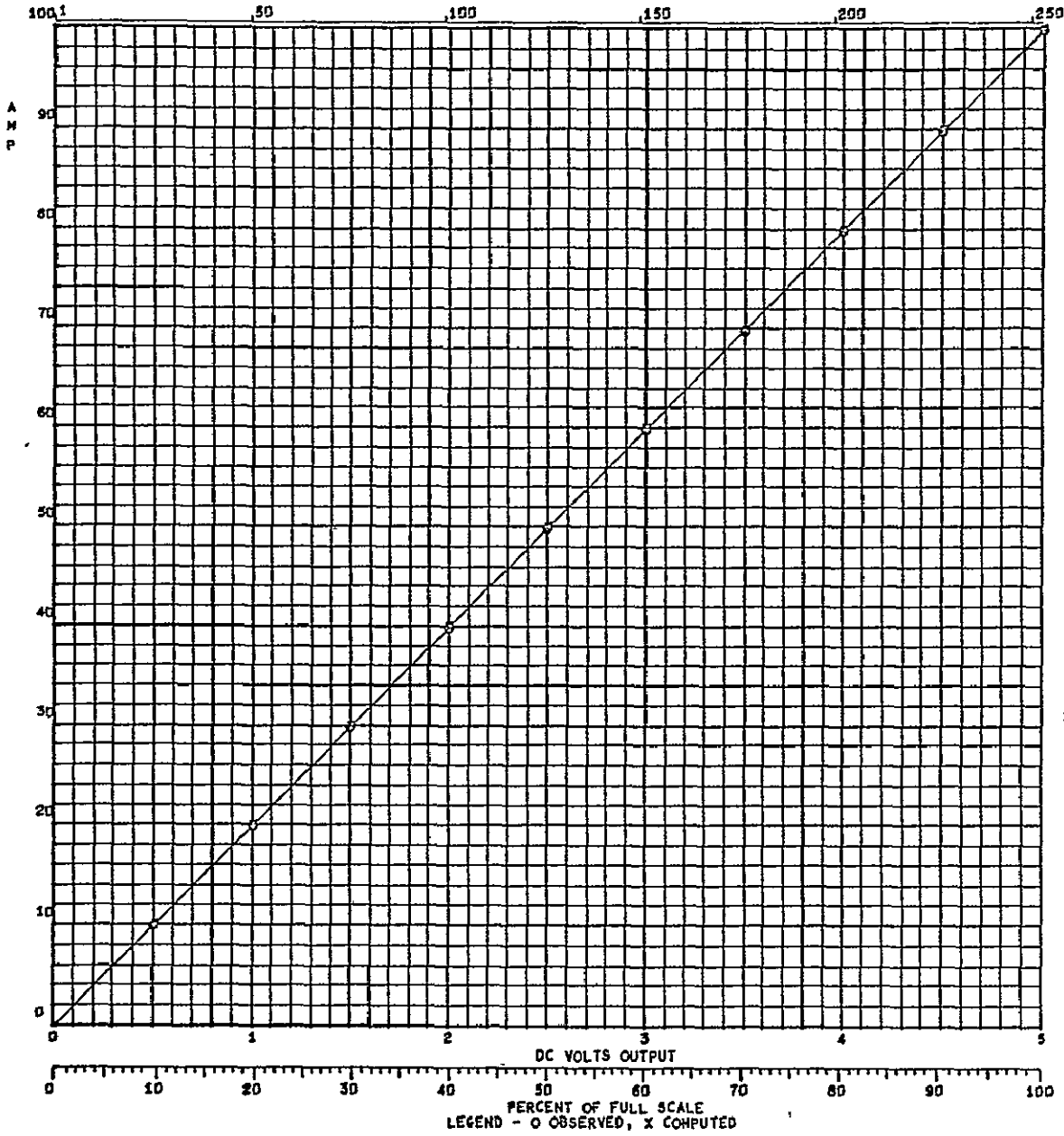
09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC CURRENT BATTERY C
CAL RANGE -.085887 TO 99.8261

SC-113

HARDWARE CALIB. NO.
75732 01
81432 01
00

SERIAL NO.
N/A
089781112098

=215



EQUATION COEFFICIENTS

A_0= -8.589 E-02
A_1= 1.998 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -8.589E-02
20% = 1.990E 01
40% = 3.988E 01
50% = 4.987E 01
60% = 5.986E 01
80% = 7.984E 01
100% = 9.983E 01

MEASUREMENT NO.
200CC0224C01

MEAS LOADING NO.
1104010 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC CURRENT BATTERY C

MEASUREMENT NO. 200CC0224C01
VEHICLE SC-113
TRANSDUCER SERIAL NO N/A
SIGNAL CONDITIONER SERIAL NO. 089781112098
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	-0 086	38	14.526	75	29.137	112	43.749	149	58.361	186	72.972	223	87.584
2	0.309	39	14 921	76	29.532	113	44.144	150	58.756	187	73.367	224	87.979
3	0.704	40	15.316	77	29.927	114	44.539	151	59.150	188	73.762	225	88.374
4	1.099	41	15.710	78	30 322	115	44.934	152	59.545	189	74.157	226	88.769
5	1.494	42	16.105	79	30.717	116	45 329	153	59.940	190	74.552	227	89.164
6	1.889	43	16.500	80	31.112	117	45.724	154	60.335	191	74.947	228	89.558
7	2.284	44	16.895	81	31.507	118	46 118	155	60.730	192	75.342	229	89.953
8	2.678	45	17.290	82	31.902	119	46.513	156	61.125	193	75.737	230	90.348
9	3 073	46	17.685	83	32.297	120	46 908	157	61.520	194	76.132	231	90.743
10	3.468	47	18.080	84	32.692	121	47.303	158	61.915	195	76.526	232	91.138
11	3.863	48	18.475	85	33.086	122	47.698	159	62.310	196	76.921	233	91.533
12	4.258	49	18 870	86	33.481	123	48.093	160	62.705	197	77.316	234	91.928
13	4.653	50	19.265	87	33.876	124	48.488	161	63.100	198	77.711	235	92.323
14	5.048	51	19.660	88	34 271	125	48.883	162	63.494	199	78.106	236	92.718
15	5.443	52	20.054	89	34.666	126	49.278	163	63 889	200	78.501	237	93.113
16	5.838	53	20.449	90	35.061	127	49.673	164	64.284	201	78.896	238	93.508
17	6.233	54	20.844	91	35.456	128	50.068	165	64.679	202	79.291	239	93.902
18	6.628	55	21.239	92	35.851	129	50 462	166	65.074	203	79.686	240	94.297
19	7.022	56	21 634	93	36.246	130	50.857	167	65.469	204	80.081	241	94.692
20	7.417	57	22.029	94	36.641	131	51 252	168	65.864	205	80.476	242	95.087
21	7.812	58	22.424	95	37.036	132	51.647	169	66.259	206	80.870	243	95.482
22	8.207	59	22 819	96	37.430	133	52.042	170	66.654	207	81.265	244	95.877
23	8.602	60	23.214	97	37.825	134	52.437	171	67.049	208	81.660	245	96.272
24	8.997	61	23.609	98	38 220	135	52.832	172	67 444	209	82.055	246	96.667
25	9.392	62	24.004	99	38.615	136	53.227	173	67.838	210	82.450	247	97.062
26	9.787	63	24.398	100	39 010	137	53.622	174	68.233	211	82.845	248	97.457
27	10.182	64	24.793	101	39.405	138	54.017	175	68.628	212	83.240	249	97.852
28	10.577	65	25.188	102	39.800	139	54.412	176	69.023	213	83.635	250	98.246
29	10.972	66	25.583	103	40.195	140	54.806	177	69.418	214	84.030	251	98.641
30	11.366	67	25.978	104	40.590	141	55.201	178	69.813	215	84.425	252	99.036
31	11.761	68	26.373	105	40.985	142	55.596	179	70.208	216	84.820	253	99.431
32	12.156	69	26.768	106	41.380	143	55.991	180	70.603	217	85.214	254	99.826
33	12.551	70	27.163	107	41.774	144	56.386	181	70.998	218	85.609		
34	12.946	71	27.558	108	42.169	145	56.781	182	71.393	219	86.004		
35	13.341	72	27.953	109	42.564	146	57.176	183	71.788	220	86.399		
36	13.736	73	28.348	110	42.959	147	57.571	184	72.182	221	86.794		
37	14.131	74	28.742	111	43.354	148	57.966	185	72.577	222	87.189		

09/27/71

I INSTALLATION DATE OCT. 1,1969

DC VOLTAGE BATTERY RELAY BUS

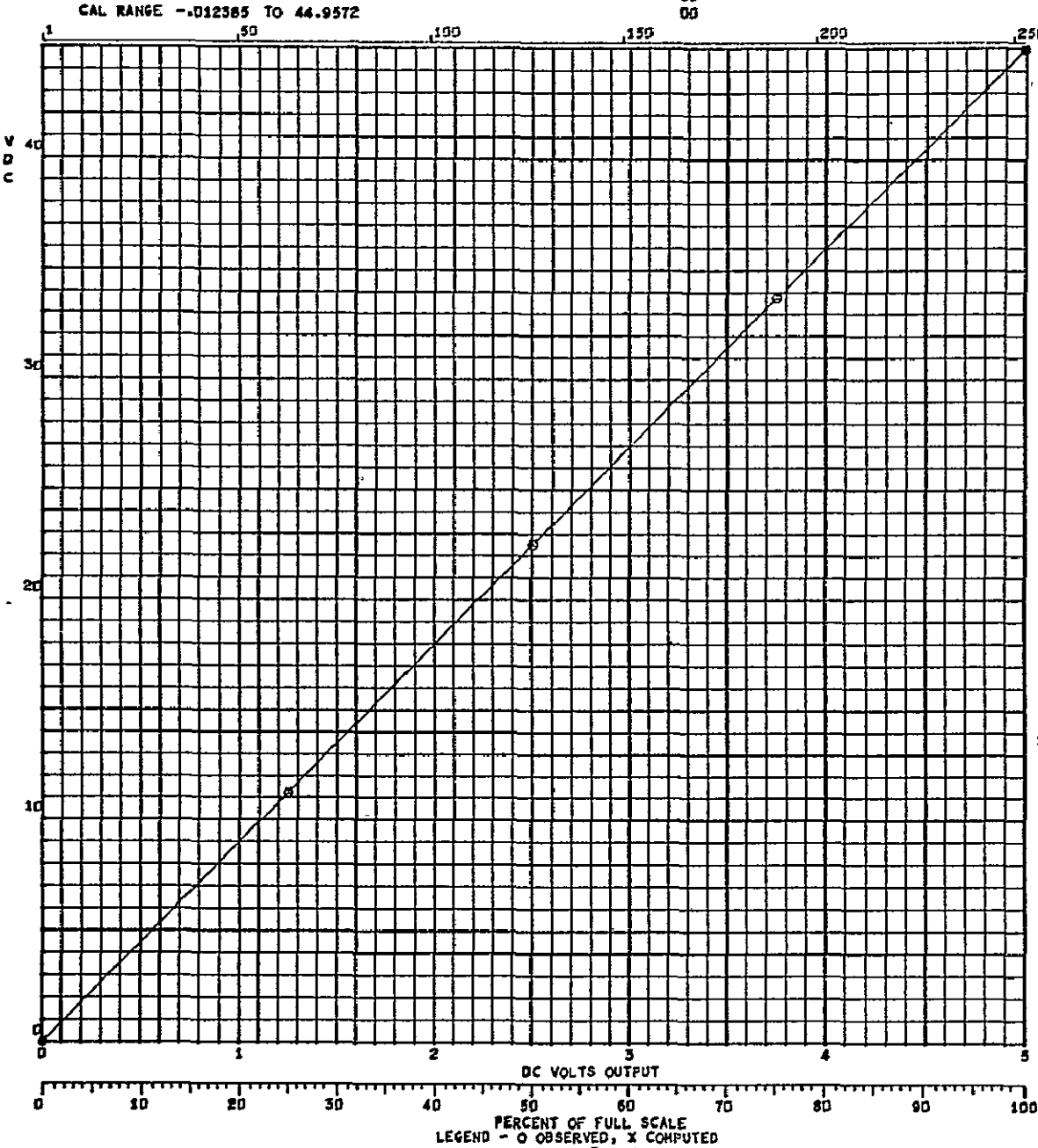
CAL RANGE -.012385 TO 44.9572

SC-113

HARDWARE CALIB. NO. 81433 01 00 00

SERIAL NO. 03745075P209

=21515



EQUATION COEFFICIENTS

A_0= -1.239 E-02

A_1= 9.001 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-1.239E-02

20% = 8.989E 00

40% = 1.799E 01

50% = 2.249E 01

60% = 2.699E 01

80% = 3.599E 01

100% = 4.499E 01

MEASUREMENT NO.

200CC0232V01

MEAS LOADING NO.

1103011 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

DC VOLTAGE BATTERY RELAY BUS

MEASUREMENT NO. 200CC0232V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 03745075P209
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.012	38	6.569	75	13.151	112	19.733	149	26.315	186	32.897	223	39 479
2	0.166	39	6.747	76	13.329	113	19.911	150	26.493	187	33.075	224	39.657
3	0.343	40	6.925	77	13.507	114	20.089	151	26.671	188	33.253	225	39 834
4	0.521	41	7.103	78	13.685	115	20.267	152	26.849	189	33.430	226	40.012
5	0.699	42	7.281	79	13.863	116	20.445	153	27.027	190	33.608	227	40.190
6	0.877	43	7.459	80	14.041	117	20.623	154	27.204	191	33.786	228	40.368
7	1.055	44	7.637	81	14.219	118	20.800	155	27.382	192	33.964	229	40.546
8	1.233	45	7.815	82	14.397	119	20.978	156	27.560	193	34.142	230	40.724
9	1.411	46	7.993	83	14.574	120	21.156	157	27.738	194	34.320	231	40.902
10	1.589	47	8.170	84	14.752	121	21.334	158	27.916	195	34.498	232	41.080
11	1.766	48	8.348	85	14.930	122	21.512	159	28.094	196	34.676	233	41.258
12	1.944	49	8.526	86	15.108	123	21.690	160	28.272	197	34.854	234	41.435
13	2.122	50	8.704	87	15.286	124	21 868	161	28.450	198	35.031	235	41.613
14	2.300	51	8.882	88	15.464	125	22.046	162	28.628	199	35.209	236	41.791
15	2.478	52	9.060	89	15.642	126	22.224	163	28.805	200	35.387	237	41.969
16	2.656	53	9.238	90	15.820	127	22.401	164	28.983	201	35.565	238	42.147
17	2.834	54	9 416	91	15.998	128	22.579	165	29.161	202	35.743	239	42 325
18	3.012	55	9.594	92	16.175	129	22.757	166	29.339	203	35.921	240	42.503
19	3.190	56	9.771	93	16.353	130	22.935	167	29.517	204	36.099	241	42.681
20	3.367	57	9.949	94	16.531	131	23.113	168	29.695	205	36.277	242	42.859
21	3.545	58	10.127	95	16.709	132	23 291	169	29.873	206	36 455	243	43.036
22	3.723	59	10.305	96	16.887	133	23 469	170	30.051	207	36 632	244	43.214
23	3.901	60	10.483	97	17.065	134	23 647	171	30.229	208	36.810	245	43.392
24	4.079	61	10.661	98	17.243	135	23 825	172	30.406	209	36.988	246	43.570
25	4.257	62	10.839	99	17.421	136	24.002	173	30.584	210	37.166	247	43.748
26	4.435	63	11.017	100	17.598	137	24.180	174	30.762	211	37.344	248	43.926
27	4.613	64	11.195	101	17.776	138	24.358	175	30.940	212	37.522	249	44.104
28	4.791	65	11.372	102	17.954	139	24.536	176	31.118	213	37.700	250	44.282
29	4.968	66	11.550	103	18.132	140	24.714	177	31.296	214	37.878	251	44.460
30	5.146	67	11.728	104	18.310	141	24.892	178	31.474	215	38.056	252	44.637
31	5.324	68	11.906	105	18.488	142	25.070	179	31.652	216	38.233	253	44.815
32	5.502	69	12 084	106	18.666	143	25.248	180	31.829	217	38.411	254	44.993
33	5.680	70	12 262	107	18.844	144	25.426	181	32.007	218	38.589		
34	5.858	71	12 440	108	19 022	145	25.603	182	32.185	219	38.767		
35	6.036	72	12.618	109	19.199	146	25.781	183	32 363	220	38.945		
36	6.214	73	12.796	110	19.377	147	25.959	184	32.541	221	39.123		
37	6.392	74	12.973	111	19.555	148	26.137	185	32 719	222	39.301		

09/27/71

1 INSTALLATION DATE OCT. 1,1969

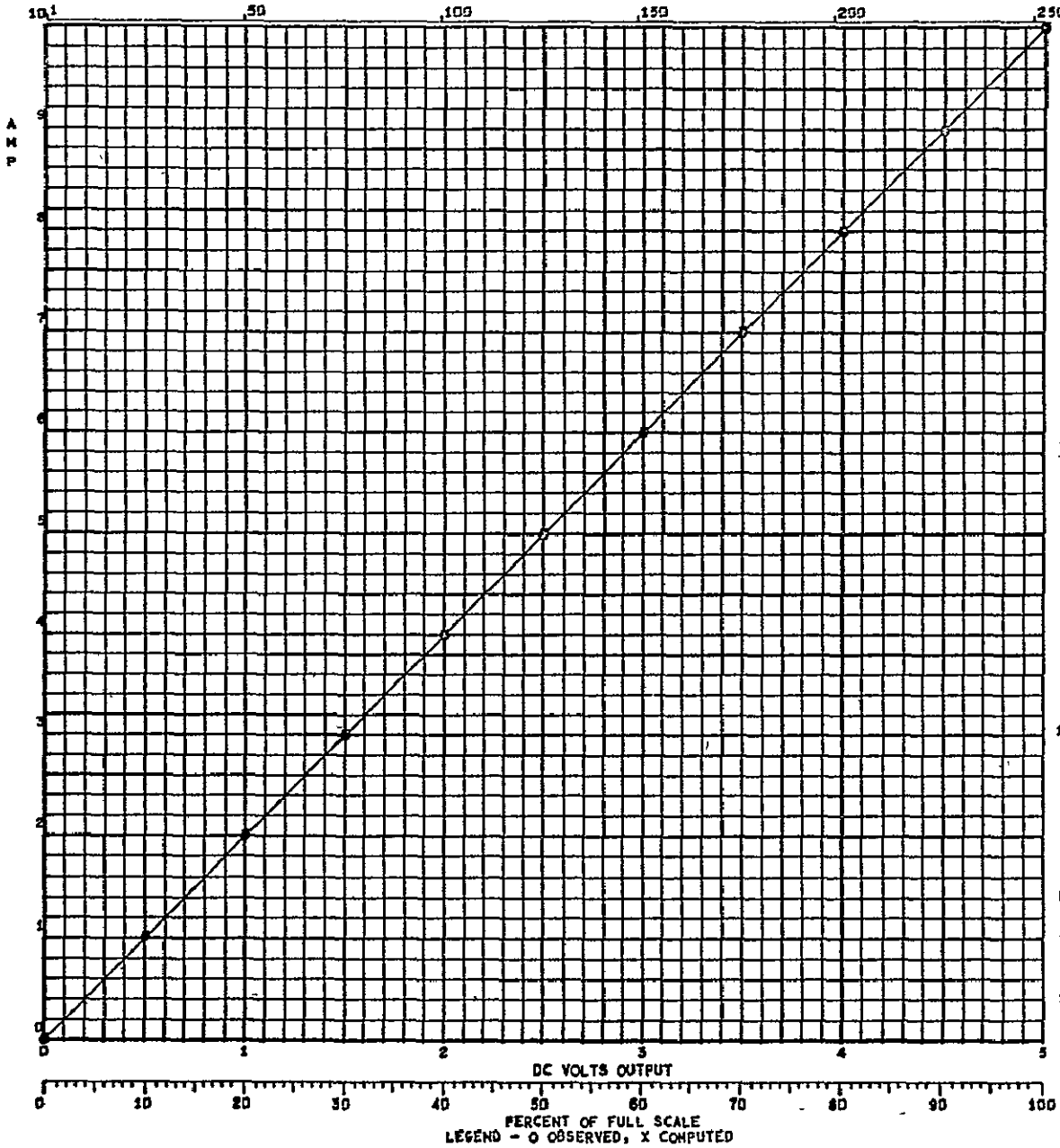
CSM TO LEM CURRENT MONITOR

CAL RANGE .003999 TO 9.99440

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75736 01	N/A
81443 01	089781112116
00	

=21515



EQUATION COEFFICIENTS

A_0= 4.000 E-03

A_1= 1.998 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 4.000E-03

20% = 2.002E 00

40% = 4.000E 00

50% = 4.999E 00

60% = 5.998E 00

80% = 7.996E 00

100% = 9.994E 00

MEASUREMENT NO.

2B0CC2962C01

MEAS LOADING NO.

1102942 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

CSM TO LEM CURRENT MONITOR

MEASUREMENT NO. 209CC2962C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 089781112118
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	0.004	38	1.465	75	2.926	112	4.387	149	5.848	186	7.309	223	8.770
2	0.043	39	1.505	76	2.966	113	4.427	150	5.888	187	7.349	224	8.810
3	0.083	40	1.544	77	3.005	114	4.466	151	5.927	188	7.388	225	8.849
4	0.122	41	1.584	78	3 045	115	4.506	152	5.967	189	7.428	226	8.889
5	0.162	42	1.623	79	3 084	116	4.545	153	6 006	190	7.467	227	8.928
6	0.201	43	1.662	80	3.124	117	4.585	154	6.046	191	7.507	228	8.968
7	0.241	44	1.702	81	3.163	118	4.624	155	6.085	192	7.546	229	9.007
8	0.280	45	1.741	82	3.203	119	4.664	156	6.125	193	7.586	230	9.047
9	0.320	46	1.781	83	3.242	120	4.703	157	6.164	194	7.625	231	9 086
10	0.359	47	1.820	84	3.281	121	4.743	158	6.204	195	7.665	232	9.126
11	0.399	48	1.860	85	3.321	122	4.782	159	6.243	196	7.704	233	9.165
12	0.438	49	1.899	86	3.360	123	4.822	160	6.283	197	7.744	234	9.205
13	0.478	50	1.939	87	3 400	124	4.861	161	6.322	198	7.783	235	9.244
14	0.517	51	1.978	88	3.439	125	4.900	162	6.362	199	7.823	236	9.284
15	0.557	52	2 018	89	3.479	126	4.940	163	6.401	200	7.862	237	9.323
16	0.596	53	2.057	90	3.518	127	4.979	164	6.441	201	7.902	238	9.363
17	0.636	54	2.097	91	3.558	128	5.019	165	6.480	202	7.941	239	9.402
18	0.675	55	2.136	92	3.597	129	5.058	166	6.519	203	7.981	240	9.442
19	0.715	56	2.176	93	3.637	130	5.098	167	6.559	204	8.020	241	9.481
20	0.754	57	2.215	94	3 676	131	5.137	168	6.598	205	8.059	242	9.521
21	0.794	58	2 255	95	3.716	132	5.177	169	6.638	206	8.099	243	9.560
22	0 833	59	2.294	96	3.755	133	5.216	170	6.677	207	8.138	244	9.600
23	0.873	60	2.334	97	3.795	134	5.256	171	6.717	208	8.178	245	9.639
24	0.912	61	2.373	98	3 834	135	5.295	172	6.756	209	8 217	246	9.678
25	0.952	62	2 413	99	3.874	136	5.335	173	6.796	210	8 257	247	9.718
26	0.991	63	2.452	100	3.913	137	5.374	174	6.835	211	8.296	248	9.757
27	1.031	64	2.492	101	3.953	138	5.414	175	6.875	212	8.336	249	9.797
28	1.070	65	2.531	102	3.992	139	5.453	176	6.914	213	8.375	250	9.836
29	1.110	66	2.571	103	4.032	140	5.493	177	6.954	214	8.415	251	9.876
30	1.149	67	2.610	104	4.071	141	5.532	178	6.993	215	8.454	252	9.915
31	1.189	68	2.650	105	4.111	142	5.572	179	7.033	216	8.494	253	9.955
32	1.228	69	2.689	106	4.150	143	5.611	180	7.072	217	8.533	254	9.994
33	1.268	70	2.729	107	4.190	144	5.651	181	7.112	218	8.573		
34	1.307	71	2.768	108	4 229	145	5.690	182	7.151	219	8 612		
35	1.347	72	2.808	109	4.269	146	5.730	183	7.191	220	8 652		
36	1.386	73	2.847	110	4 308	147	5.769	184	7.230	221	8 691		
37	1.426	74	2.887	111	4 348	148	5.809	185	7.270	222	8.731		

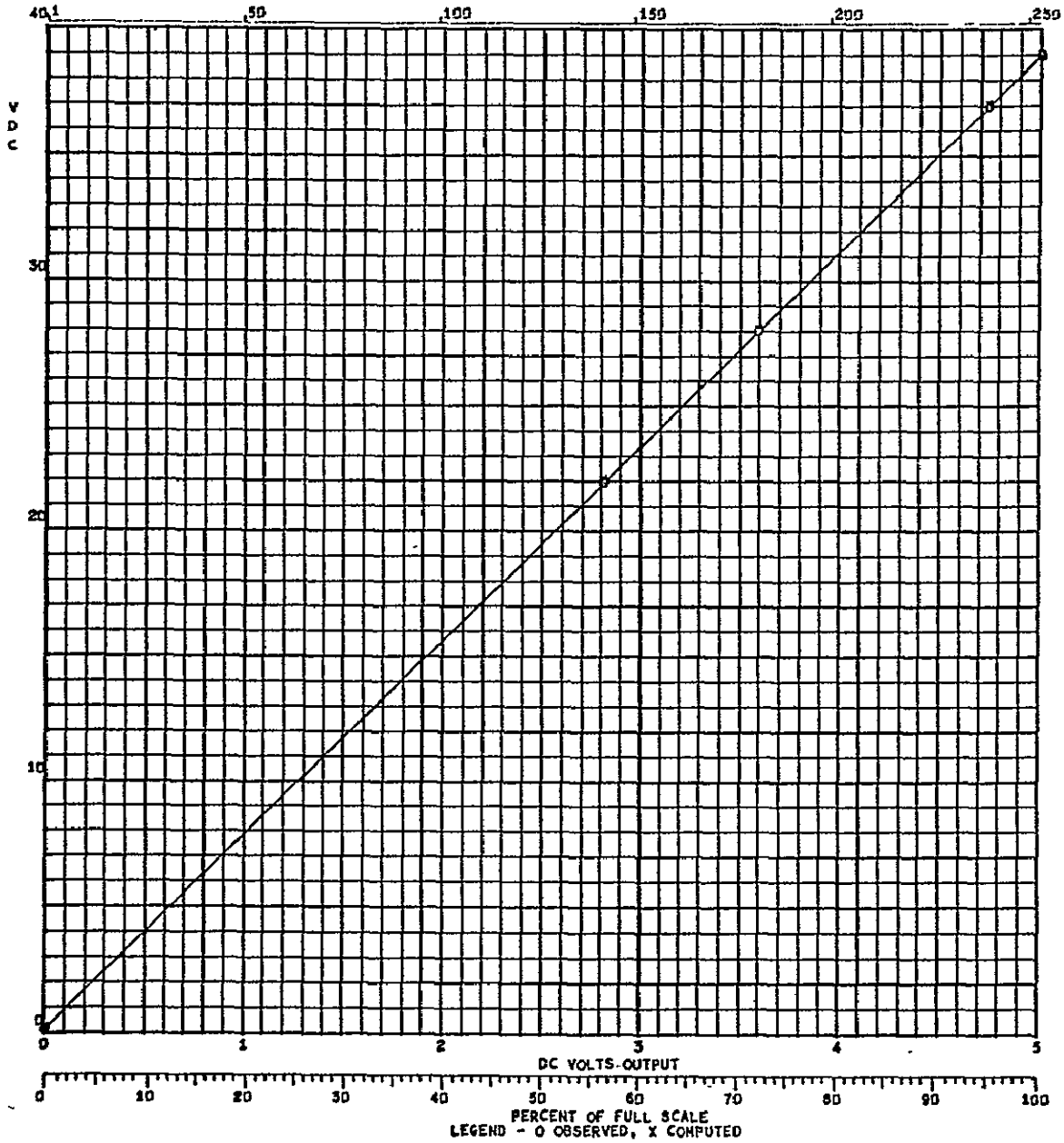
09/27/71
1 INSTALLATION DATE SEPT. 9,1968
DC VOLTAGE PYRO BUS A
CAL RANGE .152846 TO 39.0055

SC-113

HARDWARE CALIB. NO.
57776 01
00
00

SERIAL NO.
NONE

=21515



EQUATION COEFFICIENTS

A_0= 1.528 E-01
A_1= 7.771 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = 1.528E-01
20% = 7.923E 00
40% = 1.569E 01
50% = 1.958E 01
60% = 2.346E 01
80% = 3.123E 01
100% = 3.901E 01

MEASUREMENT NO.
200CD0005V01

MEAS LOADING NO.
1101028 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

DC VOLTAGE PYRO BUS A

MEASUREMENT NO. 200CD0005V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/09/68

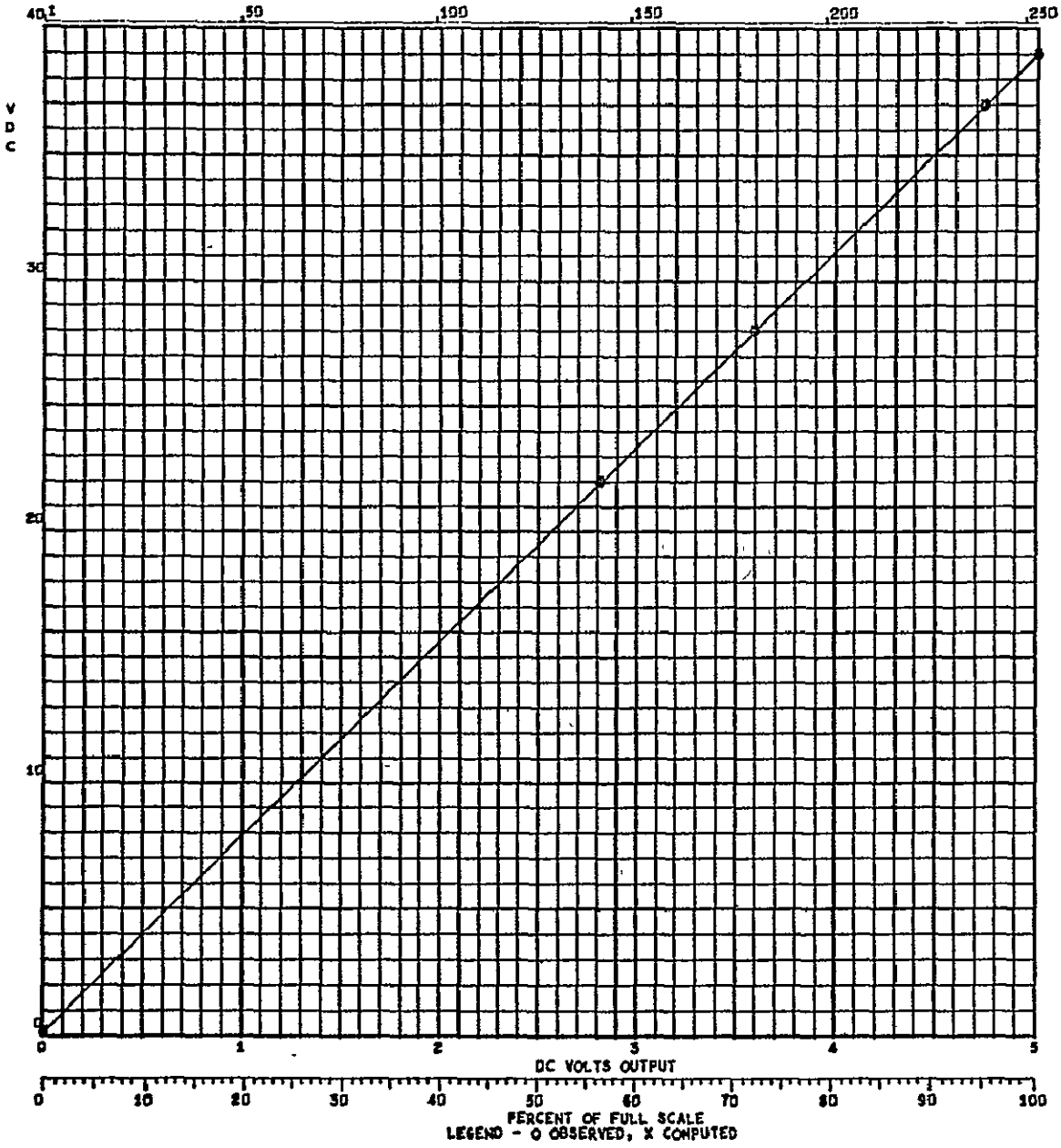
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.153	38	5.835	75	11.517	112	17.199	149	22.881	186	28.563	223	34.245
2	0.306	39	5.988	76	11.670	113	17.352	150	23.034	187	28.716	224	34.398
3	0.460	40	6 142	77	11.824	114	17.506	151	23.188	188	28.870	225	34.552
4	0 614	41	6.296	78	11.978	115	17.660	152	23.342	189	29.024	226	34.706
5	0.767	42	6.449	79	12.131	116	17.813	153	23.495	190	29.177	227	34 859
6	0.921	43	6.603	80	12.285	117	17.967	154	23.649	191	29.331	228	35.013
7	1.074	44	6.756	81	12.438	118	18.120	155	23 802	192	29.484	229	35.166
8	1.228	45	6.910	82	12.592	119	18.274	156	23.956	193	29.638	230	35.320
9	1.381	46	7.063	83	12.745	120	18 427	157	24.109	194	29.791	231	35.473
10	1.535	47	7.217	84	12.899	121	18.581	158	24.263	195	29.945	232	35.627
11	1.689	48	7.371	85	13.053	122	18.735	159	24.417	196	30.099	233	35.781
12	1.842	49	7.524	86	13 206	123	18.888	160	24.570	197	30.252	234	35.934
13	1.996	50	7.678	87	13.360	124	19.042	161	24.724	198	30.406	235	36.088
14	2.149	51	7.831	88	13.513	125	19.195	162	24.877	199	30.559	236	36.241
15	2.303	52	7.985	89	13.667	126	19.349	163	25.031	200	30.713	237	36.395
16	2.456	53	8.138	90	13 820	127	19.502	164	25.184	201	30.866	238	36.548
17	2.610	54	8.292	91	13.974	128	19.656	165	25.338	202	31.020	239	36.702
18	2.764	55	8.446	92	14.128	129	19.810	166	25.492	203	31.174	240	36.856
19	2.917	56	8.599	93	14.281	130	19.963	167	25.645	204	31.327	241	37.009
20	3.071	57	8.753	94	14.435	131	20.117	168	25.799	205	31.481	242	37.163
21	3.224	58	8.906	95	14.588	132	20.270	169	25.952	206	31.634	243	37.316
22	3.378	59	9.060	96	14.742	133	20.424	170	26.106	207	31.788	244	37.470
23	3.531	60	9 213	97	14.895	134	20.577	171	26.259	208	31.941	245	37.623
24	3.685	61	9.367	98	15.049	135	20.731	172	26.413	209	32.095	246	37.777
25	3.838	62	9.520	99	15.202	136	20.885	173	26.567	210	32.249	247	37.931
26	3.992	63	9.674	100	15.356	137	21.038	174	26.720	211	32.402	248	38.084
27	4.146	64	9.828	101	15.510	138	21.192	175	26.874	212	32.556	249	38.238
28	4.299	65	9.981	102	15.663	139	21.345	176	27.027	213	32.709	250	38.391
29	4.453	66	10.135	103	15.817	140	21.499	177	27.181	214	32.863	251	38.545
30	4.606	67	10.288	104	15.970	141	21.652	178	27.334	215	33.016	252	38.698
31	4.760	68	10.442	105	16.124	142	21.806	179	27.488	216	33.170	253	38.852
32	4.913	69	10.595	106	16.277	143	21.959	180	27.641	217	33.324	254	39 006
33	5.067	70	10.749	107	16.431	144	22.113	181	27.795	218	33.477		
34	5.221	71	10.903	108	16.585	145	22.267	182	27.949	219	33.631		
35	5.374	72	11.056	109	16.738	146	22.420	183	28.102	220	33.784		
36	5.528	73	11.210	110	16.892	147	22.574	184	28 256	221	33.938		
37	5.681	74	11.363	111	17.045	148	22.727	185	28.409	222	34.091		

09/27/71
1 INSTALLATION DATE SEPT. 9,1968
DC VOLTAGE PYRO BUS B
CAL RANGE .152846 TO 39.0055

SC-113

HARDWARE CALIB. NO. 57777 01 00 00
SERIAL NO. NONE

=21515



EQUATION COEFFICIENTS

A_0= 1.528 E-01
A_1= 7.771 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = 1.528E-01
20% = 7.923E 00
40% = 1.569E 01
50% = 1.958E 01
60% = 2.346E 01
80% = 3.123E 01
100% = 3.901E 01

MEASUREMENT NO.
200CD0006V01

MEAS LOADING NO.
1101017 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC VOLTAGE PYRO BUS B

MEASUREMENT NO. 200CD9006V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/09/68

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.153	38	5.835	75	11.517	112	17.199	149	22.881	186	28.563	223	34.245
2	0.306	39	5.988	76	11.670	113	17.352	150	23.034	187	28.716	224	34.398
3	0.460	40	6.142	77	11.824	114	17.506	151	23.188	188	28.870	225	34.552
4	0.614	41	6.296	78	11.978	115	17.660	152	23.342	189	29.024	226	34.706
5	0.767	42	6.449	79	12.131	116	17.813	153	23.495	190	29.177	227	34.859
6	0.921	43	6.603	80	12.285	117	17.967	154	23.649	191	29.331	228	35.013
7	1.074	44	6.756	81	12.438	118	18.120	155	23.802	192	29.484	229	35.166
8	1.228	45	6.910	82	12.592	119	18.274	156	23.956	193	29.638	230	35.320
9	1.381	46	7.063	83	12.745	120	18.427	157	24.109	194	29.791	231	35.473
10	1.535	47	7.217	84	12.899	121	18.581	158	24.263	195	29.945	232	35.627
11	1.689	48	7.371	85	13.053	122	18.735	159	24.417	196	30.099	233	35.781
12	1.842	49	7.524	86	13.206	123	18.888	160	24.570	197	30.252	234	35.934
13	1.996	50	7.678	87	13.360	124	19.042	161	24.724	198	30.406	235	36.088
14	2.149	51	7.831	88	13.513	125	19.195	162	24.877	199	30.559	236	36.241
15	2.303	52	7.985	89	13.667	126	19.349	163	25.031	200	30.713	237	36.395
16	2.456	53	8.138	90	13.820	127	19.502	164	25.184	201	30.866	238	36.548
17	2.610	54	8.292	91	13.974	128	19.656	165	25.338	202	31.020	239	36.702
18	2.764	55	8.446	92	14.128	129	19.810	166	25.492	203	31.174	240	36.856
19	2.917	56	8.599	93	14 281	130	19.963	167	25.645	204	31.327	241	37.009
20	3.071	57	8.753	94	14.435	131	20.117	168	25.799	205	31.481	242	37.163
21	3.224	58	8.906	95	14.588	132	20.270	169	25.952	206	31.634	243	37.316
22	3.378	59	9.060	96	14.742	133	20.424	170	26.106	207	31.788	244	37.470
23	3.531	60	9.213	97	14.895	134	20.577	171	26.259	208	31.941	245	37.623
24	3.685	61	9.367	98	15.049	135	20.731	172	26.413	209	32.095	246	37.777
25	3.838	62	9.520	99	15.202	136	20.885	173	26.567	210	32.249	247	37.931
26	3.992	63	9.674	100	15.356	137	21.038	174	26.720	211	32.402	248	38.084
27	4.146	64	9.828	101	15.510	138	21.192	175	26.874	212	32.556	249	38.238
28	4.299	65	9.981	102	15.663	139	21.345	176	27.027	213	32.709	250	38.391
29	4.453	66	10.135	103	15.817	140	21.499	177	27.181	214	32.863	251	38.545
30	4.606	67	10.288	104	15.970	141	21.652	178	27.334	215	33.016	252	38.698
31	4.760	68	10.442	105	16.124	142	21.806	179	27.488	216	33.170	253	38.852
32	4.913	69	10.595	106	16.277	143	21.959	180	27.641	217	33.324	254	39.006
33	5.067	70	10.749	107	16.431	144	22.113	181	27.795	218	33.477		
34	5.221	71	10.903	108	16.585	145	22.267	182	27.949	219	33.631		
35	5.374	72	11.056	109	16.738	146	22.420	183	28.102	220	33.784		
36	5.528	73	11.210	110	16.892	147	22.574	184	28.256	221	33.938		
37	5.681	74	11.363	111	17.045	148	22.727	185	28.409	222	34.091		

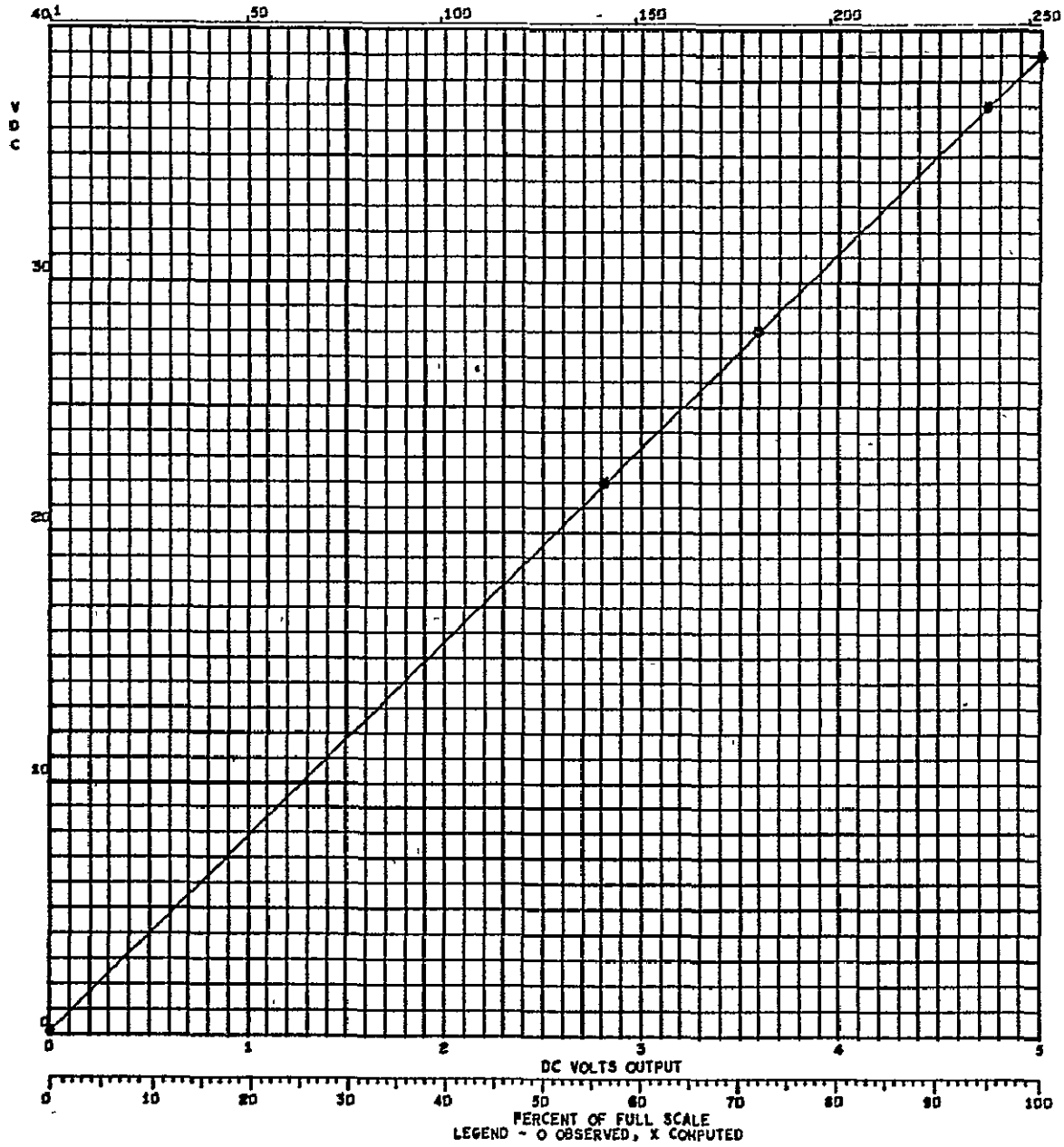
09/27/71
1 INSTALLATION DATE SEPT. 9,1968
DC VOLTAGE LOGIC BUS A
CAL RANGE .152846 TO 39.0035

SC-113

HARDWARE CALIB. NO. 57774 01 00 00

SERIAL NO. NONE

#21515



EQUATION COEFFICIENTS

A_0= 1.528 E-01

A_1= 7.771 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = 1.528E-01

20% = 7.923E 00

40% = 1.569E 01

50% = 1.958E 01

60% = 2.346E 01

80% = 3.123E 01

100% = 3.901E 01

MEASUREMENT NO.

200CD0200V01

MEAS LOADING NO.

1101027 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC VOLTAGE LOGIC BUS A

MEASUREMENT NO. 200CD0200V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/09/68

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.153	38	5.835	75	11.517	112	17.199	149	22.881	186	28.563	223	34.245
2	0.306	39	5.988	76	11.670	113	17.352	150	23.034	187	28.716	224	34.398
3	0.460	40	6.142	77	11.824	114	17.506	151	23.188	188	28.870	225	34.552
4	0.614	41	6.296	78	11.978	115	17.660	152	23.342	189	29.024	226	34.706
5	0.767	42	6.449	79	12.131	116	17.813	153	23.495	190	29.177	227	34.859
6	0.921	43	6.603	80	12.285	117	17.967	154	23.649	191	29.331	228	35.013
7	1.074	44	6.756	81	12.438	118	18.120	155	23.802	192	29.484	229	35.166
8	1.228	45	6.910	82	12.592	119	18.274	156	23.956	193	29.638	230	35.320
9	1.381	46	7.063	83	12.745	120	18.427	157	24.109	194	29.791	231	35.473
10	1.535	47	7.217	84	12.899	121	18.581	158	24.263	195	29.945	232	35.627
11	1.689	48	7.371	85	13.053	122	18.735	159	24.417	196	30.099	233	35.781
12	1.842	49	7.524	86	13.206	123	18.888	160	24.570	197	30.252	234	35.934
13	1.996	50	7.678	87	13.360	124	19.042	161	24.724	198	30.406	235	36.088
14	2.149	51	7.831	88	13.513	125	19.195	162	24.877	199	30.559	236	36.241
15	2.303	52	7.985	89	13.667	126	19.349	163	25.031	200	30.713	237	36.395
16	2.456	53	8.138	90	13 820	127	19.502	164	25.184	201	30.866	238	36.548
17	2.610	54	8.292	91	13.974	128	19.656	165	25.338	202	31.020	239	36.702
18	2.764	55	8.446	92	14.128	129	19.810	166	25.492	203	31.174	240	36.856
19	2.917	56	8.599	93	14.281	130	19.963	167	25.645	204	31.327	241	37.009
20	3.071	57	8.753	94	14.435	131	20.117	168	25.799	205	31.481	242	37.163
21	3.224	58	8.906	95	14.588	132	20.270	169	25.952	206	31.634	243	37.316
22	3.378	59	9.060	96	14.742	133	20.424	170	26.106	207	31.788	244	37.470
23	3.531	60	9.213	97	14.895	134	20.577	171	26.259	208	31.941	245	37.623
24	3.685	61	9.367	98	15.049	135	20.731	172	26.413	209	32.095	246	37.777
25	3.838	62	9.520	99	15.202	136	20.885	173	26.567	210	32.249	247	37.931
26	3.992	63	9.674	100	15.356	137	21.038	174	26.720	211	32.402	248	38.084
27	4.146	64	9.828	101	15.510	138	21.192	175	26.874	212	32.556	249	38.238
28	4.299	65	9.981	102	15.663	139	21.345	176	27.027	213	32.709	250	38.391
29	4.453	66	10.135	103	15.817	140	21.499	177	27.181	214	32.863	251	38.545
30	4.606	67	10.288	104	15.970	141	21.652	178	27.334	215	33.016	252	38.698
31	4.760	68	10.442	105	16.124	142	21.806	179	27.488	216	33.170	253	38.852
32	4.913	69	10.595	106	16.277	143	21.959	180	27.641	217	33.324	254	39.006
33	5.067	70	10.749	107	16.431	144	22.113	181	27.795	218	33.477		
34	5.221	71	10.903	108	16.585	145	22.267	182	27.949	219	33.631		
35	5.374	72	11.056	109	16.738	146	22.420	183	28.102	220	33.784		
36	5.528	73	11.210	110	16.892	147	22.574	184	28.256	221	33.938		
37	5.681	74	11.363	111	17.045	148	22.727	185	28.409	222	34.091		

09/27/71

1 INSTALLATION DATE SEPT. 9,1968

DC VOLTAGE LOGIC BUS B

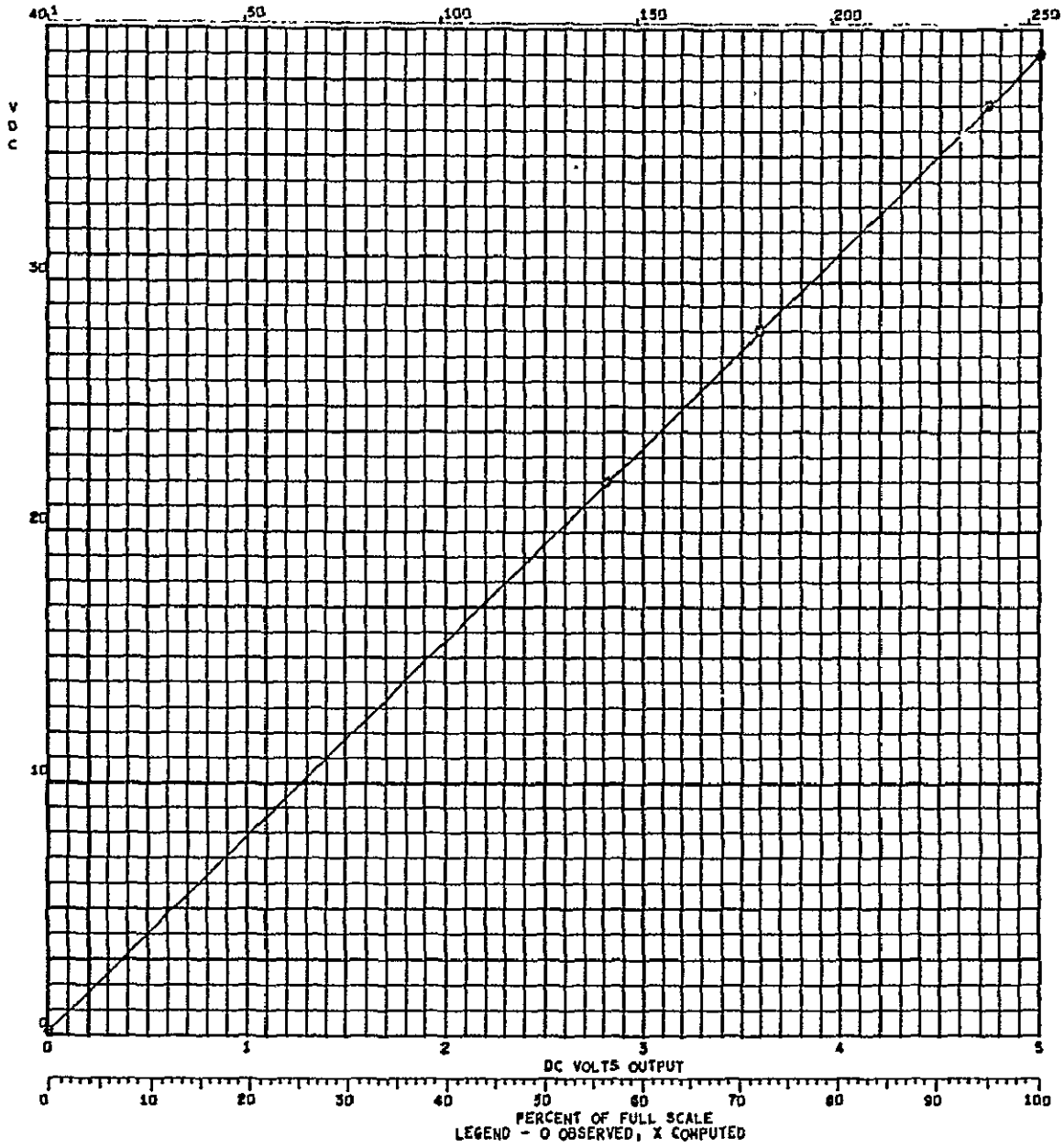
V CAL RANGE .152846 TO 39.0055

SC-113

HARDWARE CALIB. NO. 57775 01 00 00

SERIAL NO. NONE

=Z1515



EQUATION COEFFICIENTS

A_0= 1.528 E-01

A_1= 7.771 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = 1.528E-01

20% = 7.923E 00

40% = 1.569E 01

50% = 1.958E 01

60% = 2.346E 01

80% = 3.123E 01

100% = 3.901E 01

MEASUREMENT NO.

200CD02D1V01

MEAS LOADING NO.

1101025 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

DC VOLTAGE LOGIC BUS B

MEASUREMENT NO. 200CD0231V01
VEHICLE SC-115
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/09/68

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.153	38	5.835	75	11.517	112	17.199	149	22.881	186	28.563	223	34.245
2	0.306	39	5.988	76	11.670	113	17.352	150	23.034	187	28.716	224	34.398
3	0.460	40	6.142	77	11.824	114	17.506	151	23.188	188	28.870	225	34.552
4	0.614	41	6.296	78	11.978	115	17.660	152	23.342	189	29.024	226	34.706
5	0.767	42	6.449	79	12.131	116	17.813	153	23.495	190	29.177	227	34.859
6	0.921	43	6.603	80	12.285	117	17.967	154	23.649	191	29.331	228	35.013
7	1.074	44	6.756	81	12.438	118	18.120	155	23.802	192	29.484	229	35.166
8	1.228	45	6.910	82	12.592	119	18.274	156	23.956	193	29.638	230	35.320
9	1.381	46	7.063	83	12.745	120	18.427	157	24.109	194	29.791	231	35.473
10	1.535	47	7.217	84	12.899	121	18.581	158	24.263	195	29.945	232	35.627
11	1.689	48	7.371	85	13.053	122	18.735	159	24.417	196	30.099	233	35.781
12	1.842	49	7.524	86	13.206	123	18.888	160	24.570	197	30.252	234	35.934
13	1.996	50	7.678	87	13.360	124	19.042	161	24.724	198	30.406	235	36.088
14	2.149	51	7.831	88	13.513	125	19.195	162	24.877	199	30.559	236	36.241
15	2.303	52	7.985	89	13.667	126	19.349	163	25.031	200	30.713	237	36.395
16	2.456	53	8.138	90	13.820	127	19.502	164	25.184	201	30.866	238	36.548
17	2.610	54	8.292	91	13.974	128	19.656	165	25.338	202	31.020	239	36.702
18	2.764	55	8.446	92	14.128	129	19.810	166	25.492	203	31.174	240	36.856
19	2.917	56	8.599	93	14.281	130	19.963	167	25.645	204	31.327	241	37.009
20	3.071	57	8.753	94	14.435	131	20.117	168	25.799	205	31.481	242	37.163
21	3.224	58	8.906	95	14.588	132	20.270	169	25.952	206	31.634	243	37.316
22	3.378	59	9.060	96	14.742	133	20.424	170	26.106	207	31.788	244	37.470
23	3.531	60	9.213	97	14.895	134	20.577	171	26.259	208	31.941	245	37.623
24	3.685	61	9.367	98	15.049	135	20.731	172	26.413	209	32.095	246	37.777
25	3.838	62	9.520	99	15.202	136	20.885	173	26.567	210	32.249	247	37.931
26	3.992	63	9.674	100	15.356	137	21.038	174	26.720	211	32.402	248	38.084
27	4.146	64	9.828	101	15.510	138	21.192	175	26.874	212	32.556	249	38.238
28	4.299	65	9.981	102	15.663	139	21.345	176	27.027	213	32.709	250	38.391
29	4.453	66	10.135	103	15.817	140	21.499	177	27.181	214	32.863	251	38.545
30	4.606	67	10.288	104	15.970	141	21.652	178	27.334	215	33.016	252	38.698
31	4.760	68	10.442	105	16.124	142	21.806	179	27.488	216	33.170	253	38.852
32	4.913	69	10.595	106	16.277	143	21.959	180	27.641	217	33.324	254	39.006
33	5.067	70	10.749	107	16.431	144	22.113	181	27.795	218	33.477		
34	5.221	71	10.903	108	16.585	145	22.267	182	27.949	219	33.631		
35	5.374	72	11.056	109	16.738	146	22.420	183	28.102	220	33.784		
36	5.528	73	11.210	110	16.892	147	22.574	184	28.256	221	33.938		
37	5.681	74	11.363	111	17.045	148	22.727	185	28.409	222	34.091		

4/27/71

1 INSTALLATION DATE JAN. 13,1961

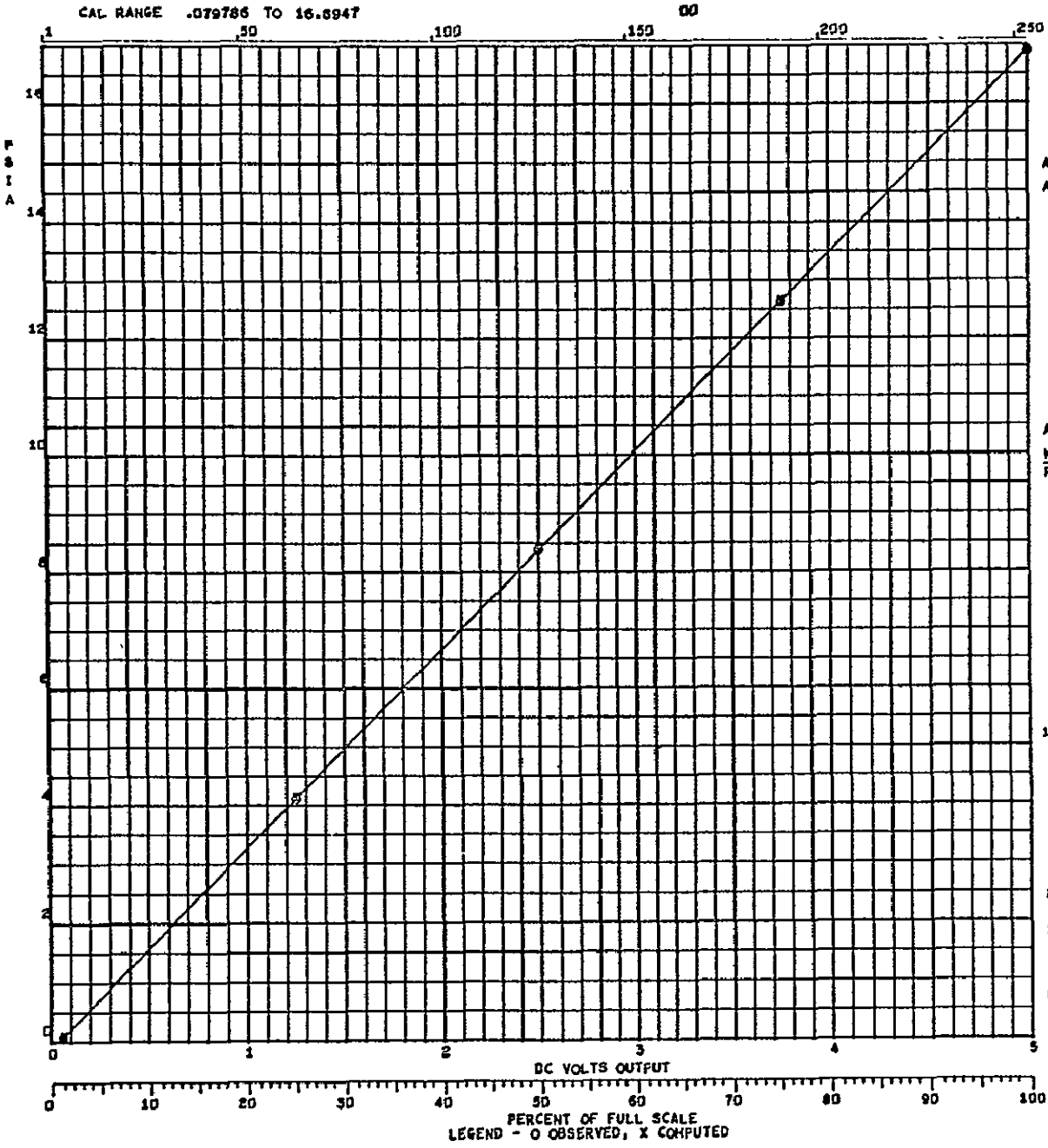
PRESSURE CABIN

CAL RANGE .079786 TO 16.6947

SC-113

HARDWARE CALIB. NO. 78537 01 00 00

SERIAL NO. 004000050025



EQUATION COEFFICIENTS

A_0= -1.244 E-01

A_1= 3.404 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.244E-01

20% = 3.279E 00

40% = 6.683E 00

50% = 8.385E 00

60% = 1.009E 01

80% = 1.349E 01

100% = 1.689E 01

MEASUREMENT NO.

200CF0001P01

MEAS LOADING NO.

1002116 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESSURE CABIN

MEASUREMENT NO. 200CP0001P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0045000350025
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/13/61

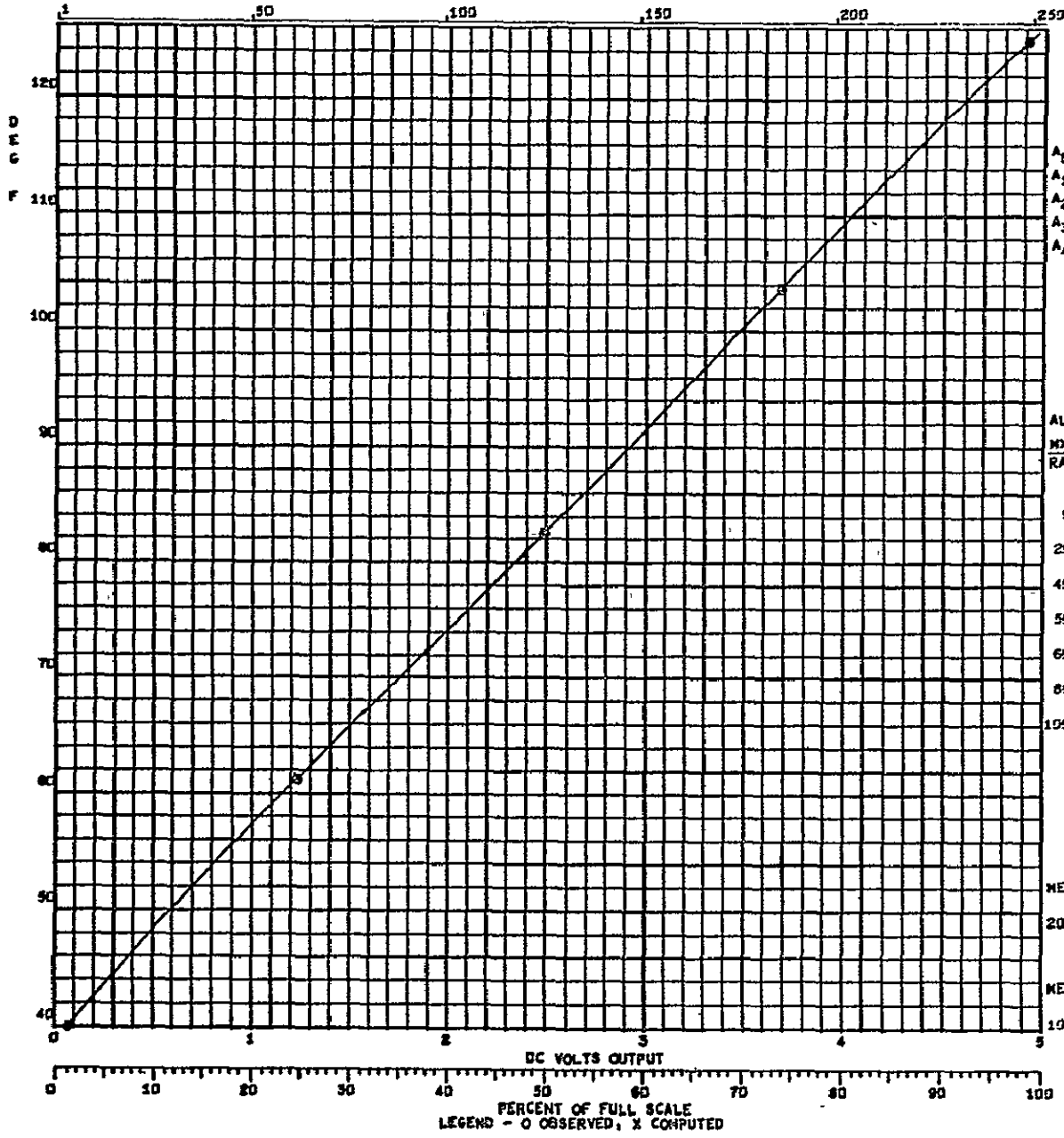
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-0.124	38	2.365	75	4.854	112	7.342	149	9.831	186	12.320	223	14.809
2	-0.057	39	2.432	76	4.921	113	7.410	150	9 899	187	12.388	224	14.877
3	0.010	40	2.499	77	4.988	114	7.477	151	9.966	188	12.455	225	14.944
4	0.077	41	2.566	78	5.055	115	7.544	152	10.033	189	12.522	226	15 011
5	0.145	42	2.634	79	5.123	116	7.612	153	10.101	190	12.589	227	15.078
6	0.212	43	2.701	80	5.190	117	7.679	154	10.168	191	12.657	228	15.146
7	0.279	44	2.768	81	5.257	118	7.746	155	10.235	192	12.724	229	15.213
8	0.346	45	2.835	82	5.324	119	7.813	156	10.302	193	12.791	230	15.280
9	0.414	46	2.903	83	5.392	120	7.881	157	10.370	194	12.859	231	15.348
10	0.481	47	2.970	84	5 459	121	7.948	158	10.437	195	12.926	232	15.415
11	0.548	48	3.037	85	5.526	122	8.015	159	10.504	196	12.993	233	15.482
12	0.616	49	3.104	86	5.593	123	8.082	160	10.571	197	13.060	234	15.549
13	0.683	50	3.172	87	5.661	124	8.150	161	10.639	198	13.128	235	15.617
14	0.750	51	3.239	88	5.728	125	8.217	162	10.706	199	13.195	236	15.684
15	0.817	52	3.306	89	5.795	126	8.284	163	10.773	200	13.262	237	15.751
16	0.885	53	3.374	90	5.863	127	8.352	164	10.840	201	13.329	238	15.818
17	0.952	54	3.441	91	5.930	128	8.419	165	10.908	202	13.397	239	15.886
18	1.019	55	3.508	92	5.997	129	8.486	166	10.975	203	13.464	240	15.953
19	1.086	56	3.575	93	6.064	130	8.553	167	11.042	204	13.531	241	16.020
20	1.154	57	3.643	94	6.132	131	8.621	168	11.110	205	13.599	242	16.088
21	1.221	58	3.710	95	6.199	132	8.688	169	11.177	206	13.666	243	16.155
22	1.288	59	3.777	96	6.266	133	8.755	170	11.244	207	13.733	244	16.222
23	1.355	60	3.844	97	6.333	134	8.822	171	11.311	208	13.800	245	16.289
24	1.423	61	3.912	98	6.401	135	8.890	172	11.379	209	13.868	246	16.357
25	1.490	62	3.979	99	6.468	136	8.957	173	11.446	210	13.935	247	16.424
26	1.557	63	4.046	100	6.535	137	9.024	174	11.513	211	14.002	248	16.491
27	1.625	64	4.114	101	6.603	138	9.091	175	11.580	212	14.069	249	16.558
28	1.692	65	4.181	102	6.670	139	9.159	176	11.648	213	14.137	250	16.626
29	1.759	66	4.248	103	6 737	140	9.226	177	11.715	214	14.204	251	16 693
30	1.826	67	4.315	104	6,804	141	9.293	178	11.782	215	14.271	252	16.760
31	1.894	68	4.383	105	6.872	142	9.361	179	11.850	216	14.339	253	16 827
32	1.961	69	4.450	106	6.939	143	9.428	180	11.917	217	14.406	254	16.895
33	2 028	70	4.517	107	7.006	144	9.495	181	11.984	218	14.473		
34	2.095	71	4.584	108	7.073	145	9.562	182	12.051	219	14.540		
35	2.163	72	4.652	109	7.141	146	9.630	183	12.119	220	14.608		
36	2.230	73	4.719	110	7.208	147	9.697	184	12.186	221	14.675		
37	2.297	74	4.786	111	7.275	148	9.764	185	12.253	222	14.742		

09/27/71
4 INSTALLATION DATE APRIL 25,1969
TEMP CABIN
CAL RANGE 40.0000 TO 125.000

SC-113

HARDWARE CALIB. NO. 76837 01 00 00
SERIAL NO. 004000108134

#21515



EQUATION COEFFICIENTS

A_0= 3.664 E 01
A_1= 2.072 E 01
A_2= -2.801 E 00
A_3= 8.265 E-01
A_4= -7.871 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% = 3.664E 01
20% = 5.731E 01
40% = 7.423E 01
60% = 9.153E 01
80% = 1.095E 02
100% = 1.263E 02

MEASUREMENT NO.
200CF0002T01

MEAS LOADING NO.
1043084 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP CABIN

MEASUREMENT NO. 200CF0002T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000108134
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/23/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	38.644	38	52.598	75	65.180	112	77.520	149	90.205	186	103.284	223	116.267
2	39.053	39	52.950	76	65.513	113	77.857	150	90.554	187	103.640	224	116.608
3	39.459	40	53.301	77	65.846	114	78.194	151	90.904	188	103.996	225	116.949
4	39.863	41	53.651	78	66.179	115	78.531	152	91.254	189	104.351	226	117.288
5	40.265	42	54.000	79	66.511	116	78.869	153	91.604	190	104.706	227	117.627
6	40.665	43	54.348	80	66.844	117	79.207	154	91.955	191	105.062	228	117.964
7	41.063	44	54.696	81	67.176	118	79.545	155	92.305	192	105.417	229	118.301
8	41.459	45	55.042	82	67.508	119	79 884	156	92.657	193	105.772	230	118.637
9	41.854	46	55.388	83	67.840	120	80.223	157	93.008	194	106.127	231	118.972
10	42.246	47	55.733	84	68.173	121	80.563	158	93.360	195	106.482	232	119.306
11	42.636	48	56.077	85	68.505	122	80.902	159	93.712	196	106.836	233	119.638
12	43.025	49	56.421	86	68.837	123	81.242	160	94.064	197	107.191	234	119.970
13	43.412	50	56.764	87	69.170	124	81.583	161	94.416	198	107.545	235	120.301
14	43.797	51	57.106	88	69.502	125	81.923	162	94.769	199	107.899	236	120.630
15	44.180	52	57.448	89	69 834	126	82.264	163	95.122	200	108.252	237	120.959
16	44.561	53	57.789	90	70.167	127	82.606	164	95.475	201	108.606	238	121.286
17	44.941	54	58.129	91	70.499	128	82.947	165	95.829	202	108.959	239	121.612
18	45.320	55	58.469	92	70.832	129	83.290	166	96.182	203	109.311	240	121.937
19	45.697	56	58.808	93	71.165	130	83.632	167	96.536	204	109.664	241	122.260
20	46.072	57	59.147	94	71.497	131	83.975	168	96.890	205	110.016	242	122.582
21	46.446	58	59.485	95	71.830	132	84.318	169	97.245	206	110.367	243	122.903
22	46.818	59	59.823	96	72.163	133	84.661	170	97.599	207	110.719	244	123.223
23	47.189	60	60.160	97	72.497	134	85.005	171	97.954	208	111.070	245	123.541
24	47,558	61	60.497	98	72.830	135	85.349	172	98.308	209	111.420	246	123.857
25	47.926	62	60.834	99	73.164	136	85.694	173	98.663	210	111.770	247	124.173
26	48.293	63	61.170	100	73.497	137	86.039	174	99.018	211	112.119	248	124.486
27	48.658	64	61.506	101	73.831	138	86.384	175	99.373	212	112.468	249	124.798
28	49.022	65	61.841	102	74.165	139	86.730	176	99 729	213	112 817	250	125.109
29	49.385	66	62.176	103	74.500	140	87.076	177	100.084	214	113.165	251	125.418
30	49.747	67	62.511	104	74.834	141	87.422	178	100.439	215	113.512	252	125.725
31	50.107	68	62.846	105	75.169	142	87.769	179	100.795	216	113.859	253	126.031
32	50.466	69	63.180	106	75.504	143	88.116	180	101.151	217	114.205	254	126.335
33	50.824	70	63.514	107	75.839	144	88.463	181	101.506	218	114.550		
34	51.181	71	63.847	108	76.175	145	88.811	182	101.862	219	114.895		
35	51.537	72	64.181	109	76.511	146	89.159	183	102.217	220	115.239		
36	51.892	73	64.514	110	76 847	147	89.507	184	102.573	221	115.583		
37	52.246	74	64.847	111	77.183	148	89.856	185	102.929	222	115.925		

9/27/71

INSTALLATION DATE AUG. 19,1969

PRESS O2 SUIT TO CABIN DIFF

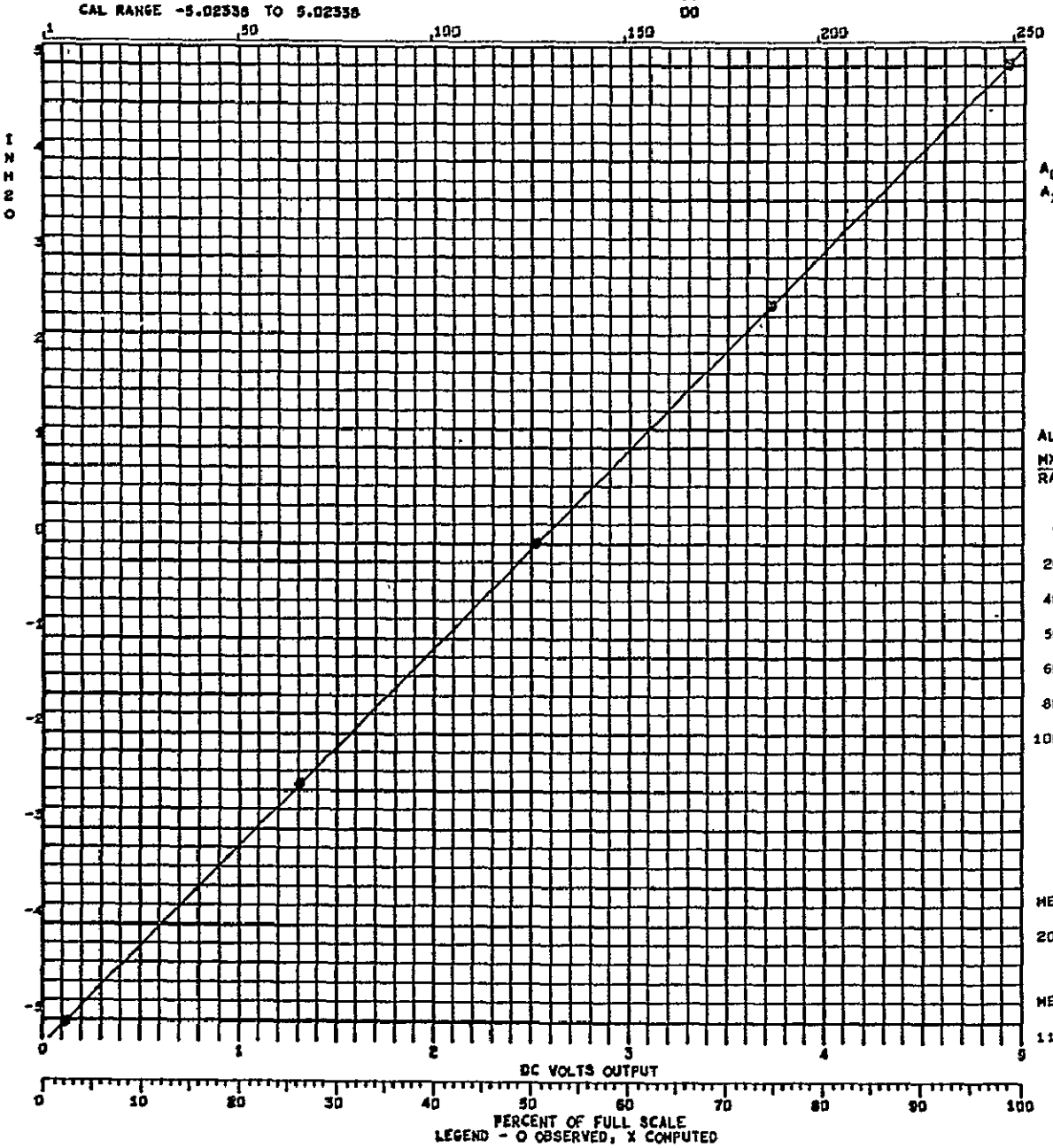
CAL RANGE -5.02338 TO 5.02338

SC-113

HARDWARE CALIB. NO. 44436 02 00 00

SERIAL NO. 102400154935

#21515



EQUATION COEFFICIENTS

A_0= -5.262 E 00

A_1= 2.090 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% =-5.262E 00

20% =-3.172E 00

40% =-1.082E 00

50% =-3.761E-02

60% = 1.007E 00

80% = 3.097E 00

100% = 5.186E 00

MEASUREMENT NO.

200CF0003P01

MEAS LOADING NO.

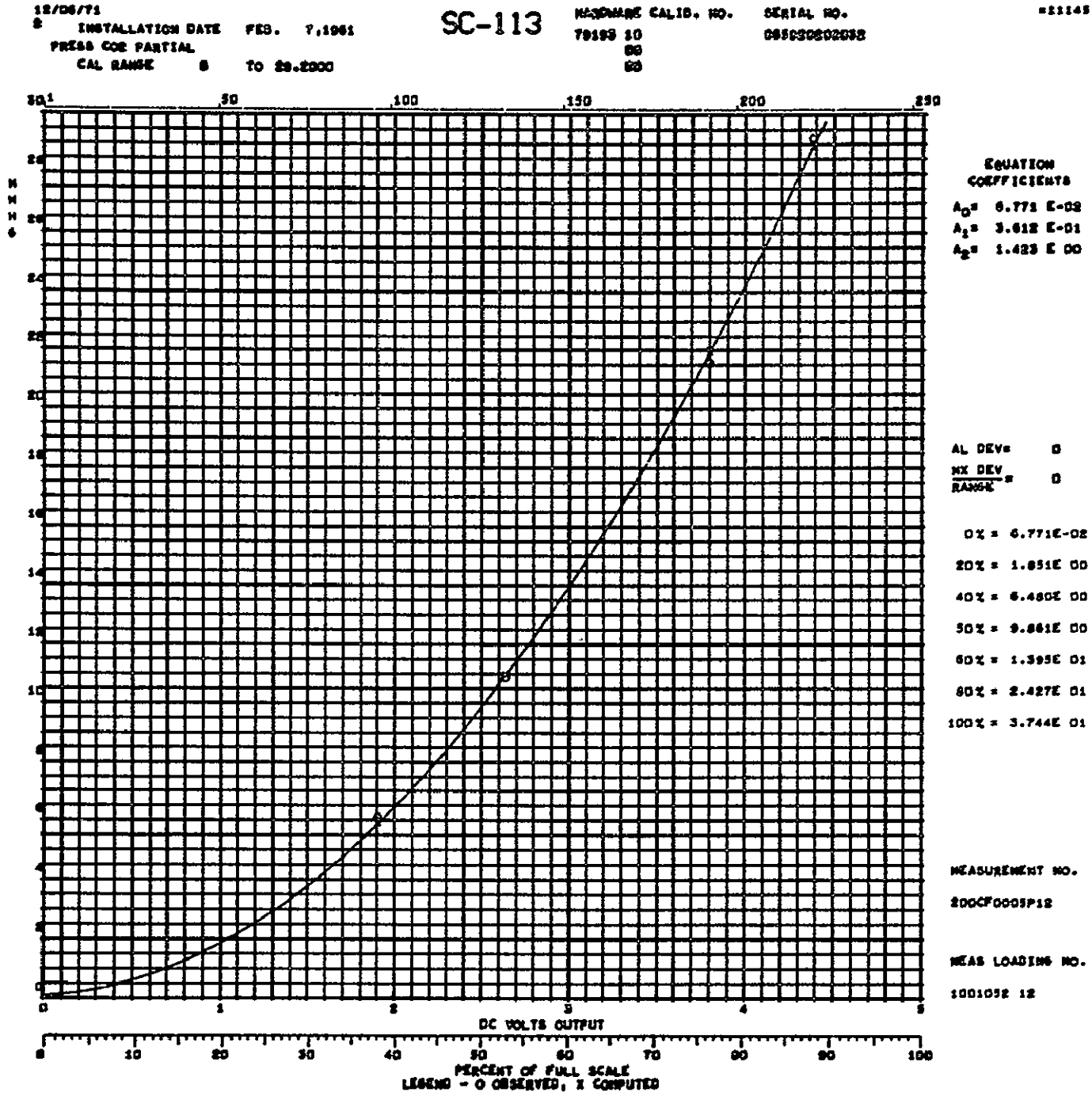
1102009 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS O2 SUIT TO CABIN DIFF

MEASUREMENT NO. 200CFD003P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 102400154988
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

CNT	INH2O	CNT	INH2O	CNT	INH2O	CNT	INH2O	CNT	INH2O	CNT	INH2O	CNT	INH2O
1	-5.262	38	-3.734	75	-2.206	112	-0.678	149	0.850	186	2.378	223	3.906
2	-5.220	39	-3.692	76	-2.164	113	-0.636	150	0.892	187	2.420	224	3.947
3	-5.179	40	-3.651	77	-2.123	114	-0.595	151	0.933	188	2.461	225	3.989
4	-5.138	41	-3.610	78	-2.082	115	-0.554	152	0.974	189	2.502	226	4.030
5	-5.096	42	-3.568	79	-2.040	116	-0.513	153	1.015	190	2.543	227	4.071
6	-5.055	43	-3.527	80	-1.999	117	-0.471	154	1.057	191	2.585	228	4.113
7	-5.014	44	-3.486	81	-1.958	118	-0.430	155	1.098	192	2.626	229	4.154
8	-4.973	45	-3 445	82	-1.917	119	-0.389	156	1.139	193	2.667	230	4.195
9	-4.931	46	-3.403	83	-1.875	120	-0.347	157	1.181	194	2.709	231	4.237
10	-4.890	47	-3.362	84	-1.834	121	-0.306	158	1.222	195	2.750	232	4.278
11	-4.849	48	-3.321	85	-1.793	122	-0.265	159	1.263	196	2.791	233	4.319
12	-4.807	49	-3.279	86	-1.751	123	-0.223	160	1.305	197	2.832	234	4.360
13	-4.766	50	-3.238	87	-1.710	124	-0.182	161	1.346	198	2.874	235	4.402
14	-4.725	51	-3.197	88	-1.669	125	-0.141	162	1.387	199	2.915	236	4.443
15	-4.683	52	-3.155	89	-1 628	126	-0.100	163	1.428	200	2.956	237	4.484
16	-4.642	53	-3.114	90	-1.586	127	-0.058	164	1.470	201	2.998	238	4.526
17	-4.601	54	-3.073	91	-1.545	128	-0.017	165	1.511	202	3.039	239	4.567
18	-4.560	55	-3.032	92	-1.504	129	0.024	166	1.552	203	3.080	240	4.608
19	-4.518	56	-2.990	93	-1.462	130	0.066	167	1.594	204	3.122	241	4.650
20	-4.477	57	-2.949	94	-1.421	131	0.107	168	1.635	205	3.163	242	4.691
21	-4.436	58	-2.908	95	-1.380	132	0.148	169	1.676	206	3.204	243	4.732
22	-4.394	59	-2.866	96	-1.338	133	0.190	170	1.717	207	3.245	244	4.773
23	-4.353	60	-2.825	97	-1.297	134	0.231	171	1.759	208	3.287	245	4.815
24	-4.312	61	-2.784	98	-1.256	135	0.272	172	1.800	209	3.328	246	4.856
25	-4.270	62	-2.743	99	-1.215	136	0.313	173	1.841	210	3.369	247	4.897
26	-4.229	63	-2.701	100	-1.173	137	0.355	174	1.883	211	3.411	248	4.939
27	-4.188	64	-2.660	101	-1.132	138	0.396	175	1.924	212	3.452	249	4.980
28	-4.147	65	-2.619	102	-1.091	139	0.437	176	1.965	213	3.493	250	5.021
29	-4.105	66	-2.577	103	-1.049	140	0.479	177	2.007	214	3.535	251	5.062
30	-4.064	67	-2.536	104	-1.008	141	0.520	178	2.048	215	3.576	252	5.104
31	-4.023	68	-2.495	105	-0.967	142	0.561	179	2.089	216	3.617	253	5.145
32	-3.981	69	-2.453	106	-0.925	143	0.602	180	2.130	217	3.658	254	5.186
33	-3.940	70	-2.412	107	-0.884	144	0.644	181	2.172	218	3.700		
34	-3.899	71	-2.371	108	-0.843	145	0.685	182	2.213	219	3.741		
35	-3.858	72	-2.330	109	-0.802	146	0.726	183	2.254	220	3.782		
36	-3.816	73	-2.288	110	-0.760	147	0.768	184	2.296	221	3.824		
37	-3.775	74	-2.247	111	-0.719	148	0.809	185	2.337	222	3.865		



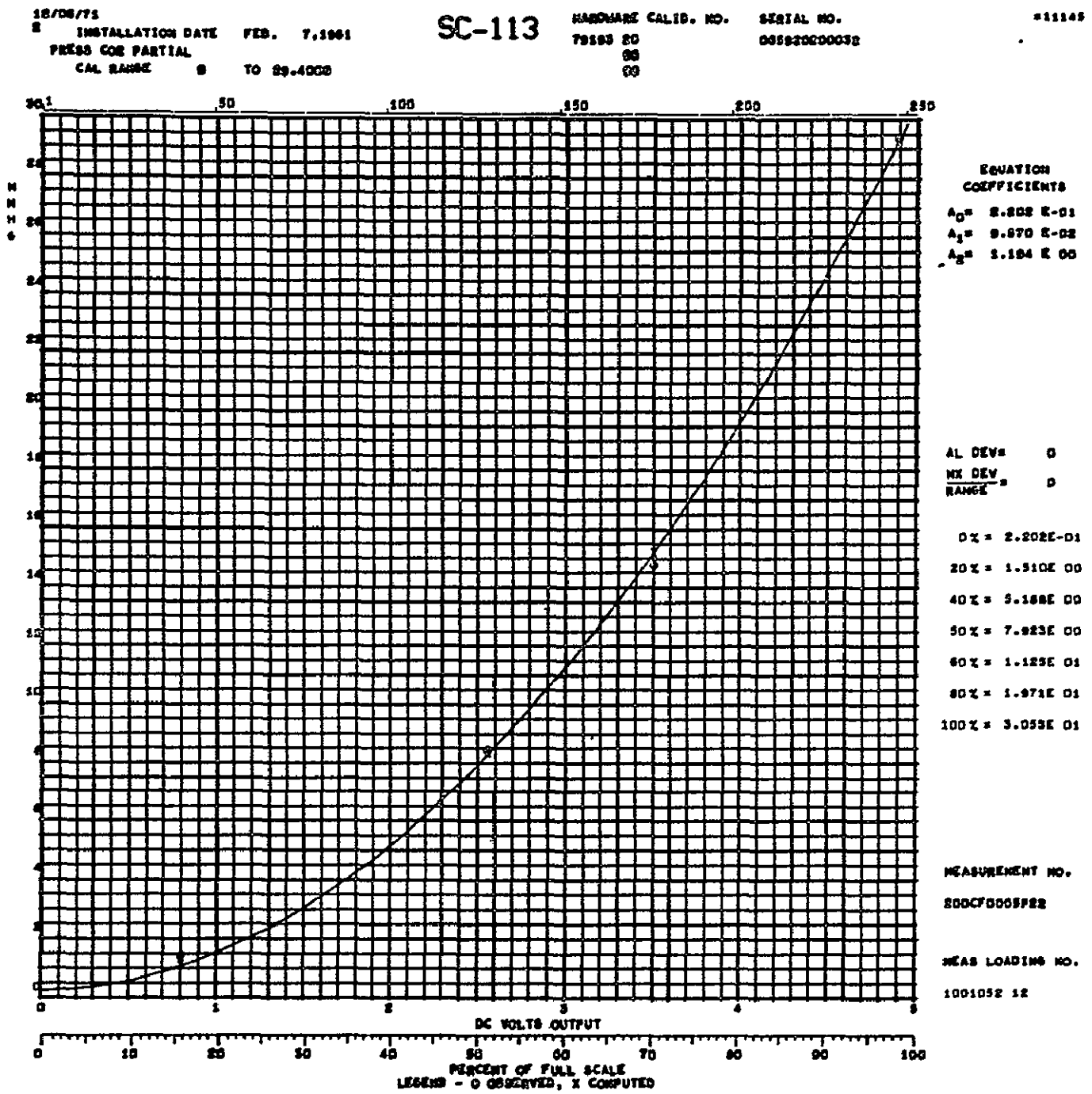
This is a multiple mode measurement. It is one of three options. To be used with a cabin pressure of 3.7 psia.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS COE PARTIAL

MEASUREMENT NO. 200CF0005P12
VEHICLE SC-113
TRANSDUCER SERIAL NO. 065920200032
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/07/61

CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG
1	0.038	38	1.092	75	3.638	112	7.708	149	13.294	186	20.403	223	29 034
2	0.075	39	1.141	76	3.728	113	7.837	150	13.466	187	20.617	224	29 288
3	0.084	40	1.191	77	3.819	114	7.969	151	13.639	188	20.831	225	29.544
4	0.094	41	1.242	78	3.911	115	8.102	152	13.814	189	21.046	226	29.801
5	0.105	42	1.294	79	4.005	116	8.236	153	13.989	190	21.263	227	30.059
6	0.117	43	1.348	80	4.099	117	8.372	154	14.166	191	21.481	228	30.317
7	0.131	44	1.402	81	4.195	118	8.508	155	14.343	192	21.700	229	30.577
8	0.145	45	1.457	82	4.291	119	8.646	156	14.522	193	21.920	230	30.838
9	0.160	46	1.514	83	4.389	120	8.785	157	14.702	194	22.141	231	31.100
10	0.177	47	1.572	84	4.488	121	8.925	158	14.883	195	22.363	232	31.363
11	0.195	48	1.631	85	4.588	122	9.066	159	15.065	196	22.586	233	31.628
12	0.213	49	1.690	86	4.689	123	9.208	160	15.249	197	22.810	234	31.893
13	0.233	50	1.751	87	4.791	124	9.351	161	15.433	198	23.036	235	32.160
14	0 254	51	1.814	88	4.894	125	9.496	162	15.618	199	23.262	236	32.428
15	0.277	52	1.877	89	4.998	126	9.641	163	15.805	200	23.490	237	32.696
16	0.300	53	1.941	90	5.104	127	9.788	164	15.993	201	23.719	238	32.966
17	0.324	54	2.007	91	5.210	128	9.935	165	16.182	202	23.949	239	33.237
18	0.350	55	2.073	92	5.318	129	10.084	166	16.371	203	24.180	240	33.510
19	0.376	56	2.141	93	5.427	130	10.234	167	16.562	204	24.412	241	33.783
20	0.404	57	2.210	94	5.537	131	10.385	168	16.755	205	24.645	242	34.057
21	0.433	58	2.280	95	5.648	132	10.537	169	16.948	206	24.880	243	34.333
22	0.463	59	2.351	96	5.760	133	10.691	170	17.142	207	25.115	244	34.609
23	0.494	60	2.423	97	5.873	134	10.845	171	17.338	208	25.352	245	34.887
24	0.526	61	2.496	98	5.988	135	11.000	172	17.534	209	25.589	246	35.166
25	0.559	62	2 571	99	6.103	136	11.157	173	17.732	210	25.828	247	35.446
26	0 593	63	2.646	100	6.220	137	11.315	174	17.931	211	26.068	248	35.727
27	0.629	64	2.723	101	6.337	138	11.474	175	18.131	212	26.309	249	36.009
28	0.665	65	2.800	102	6.456	139	11.633	176	18.332	213	26 551	250	36.292
29	0.703	66	2.879	103	6.576	140	11.794	177	18.534	214	26.795	251	36.577
30	0.742	67	2.959	104	6.697	141	11.957	178	18.737	215	27.039	252	36.862
31	0.782	68	3.040	105	6.819	142	12.120	179	18.942	216	27.285	253	37.149
32	0.823	69	3.122	106	6.943	143	12.284	180	19.147	217	27.531	254	37.436
33	0.865	70	3.205	107	7.067	144	12.450	181	19.354	218	27.779		
34	0.908	71	3.290	108	7.192	145	12.616	182	19.561	219	28.028		
35	0.953	72	3.375	109	7.319	146	12.784	183	19.770	220	28.278		
36	0.998	73	3.462	110	7.447	147	12.953	184	19.980	221	28.529		
37	1.045	74	3.550	111	7.576	148	13.123	185	20.191	222	28.781		



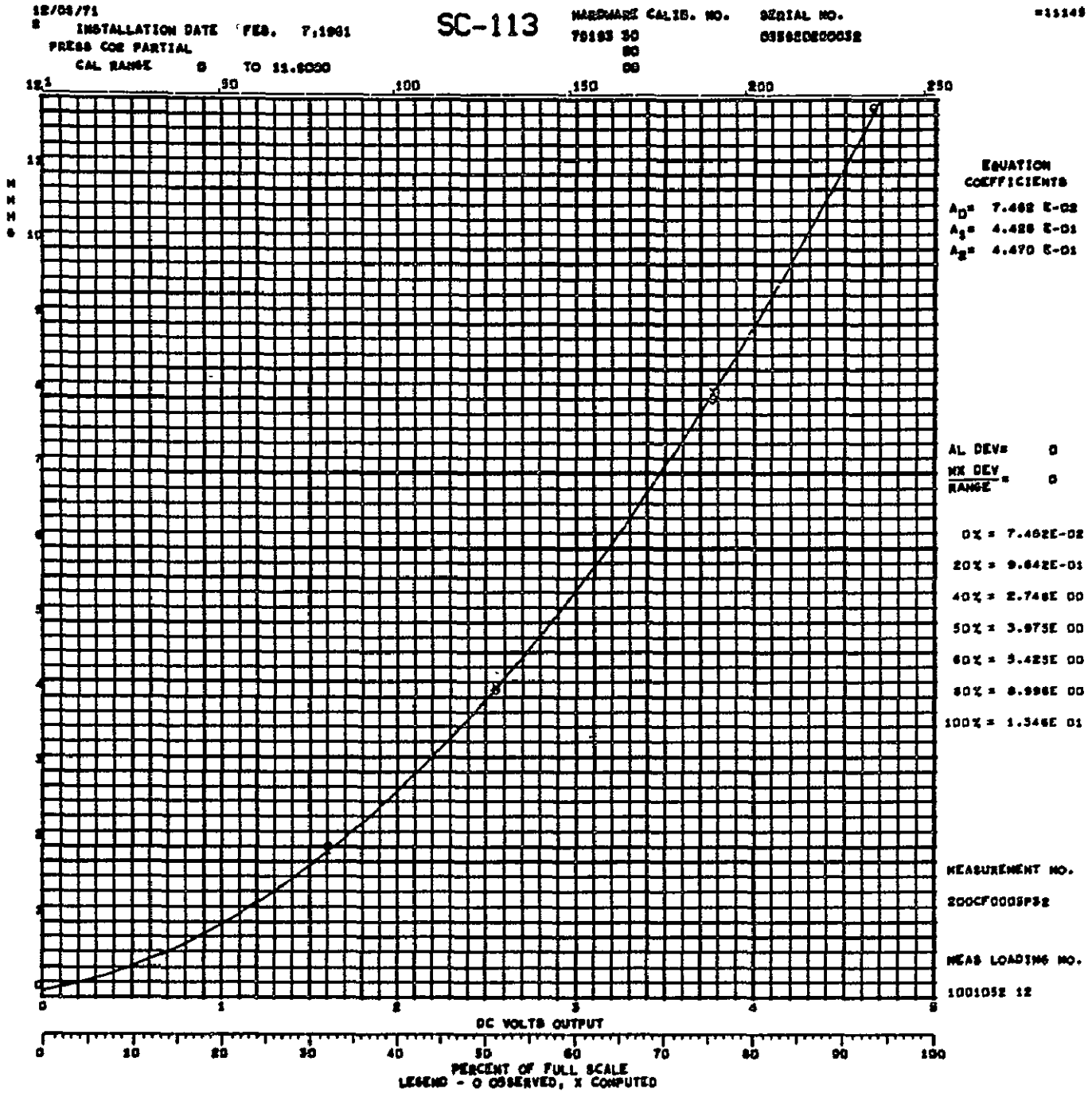
This is a multiple mode measurement. It is two of three options. To be used with a cabin pressure of 5.0 psia.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS COR PARTIAL

MEASUREMENT NO. 2000F0005P22
VEHICLE SC-113
TRANSDUCER SERIAL NO. D65920200032
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/07/61

CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG
1	0.220	38	0.929	75	2.914	112	6.177	149	10.716	186	16.532	223	23.626
2	0.223	39	0.966	76	2.986	113	6.282	150	10.856	187	16.707	224	23.835
3	0.226	40	1.003	77	3.058	114	6.389	151	10.996	188	16.883	225	24.046
4	0.230	41	1.042	78	3.131	115	6.497	152	11.140	189	17.060	226	24.257
5	0.235	42	1.082	79	3.205	116	6.606	153	11.283	190	17.238	227	24 469
6	0.241	43	1.122	80	3.280	117	6.715	154	11.427	191	17.416	228	24.682
7	0.246	44	1.164	81	3.356	118	6.826	155	11.572	192	17.596	229	24.896
8	0.256	45	1.206	82	3.433	119	6.937	156	11.718	193	17.776	230	25.111
9	0.265	46	1.250	83	3.511	120	7.050	157	11.865	194	17.958	231	25.327
10	0.275	47	1.294	84	3.590	121	7.163	158	12.013	195	18.140	232	25.544
11	0.286	48	1 339	85	3.670	122	7.278	159	12.162	196	18.324	233	25.762
12	0.297	49	1.386	86	3.751	123	7.393	160	12.312	197	18.508	234	25.981
13	0.310	50	1.433	87	3.832	124	7.509	161	12.463	198	18.693	235	26.201
14	0.324	51	1.481	88	3.915	125	7.626	162	12.614	199	18.879	236	26.421
15	0.338	52	1.530	89	3.998	126	7.744	163	12.767	200	19.066	237	26.643
16	0.354	53	1.580	90	4.083	127	7.863	164	12.920	201	19.254	238	26.865
17	0.370	54	1.631	91	4.168	128	7.983	165	13.075	202	19.443	239	27.089
18	0.387	55	1.682	92	4.255	129	8.104	166	13.230	203	19.633	240	27.313
19	0.405	56	1.735	93	4.342	130	8.225	167	13.386	204	19.824	241	27.538
20	0.425	57	1.789	94	4.430	131	8.348	168	13.543	205	20.015	242	27.765
21	0.445	58	1 843	95	4.519	132	8.472	169	13.701	206	20.208	243	27.992
22	0.466	59	1.899	96	4.609	133	8.596	170	13.861	207	20.402	244	28.220
23	0.488	60	1.955	97	4.700	134	8.722	171	14.021	208	20.596	245	28 449
24	0.510	61	2.013	98	4.792	135	8.848	172	14.181	209	20.792	246	28.679
25	0.534	62	2.071	99	4.885	136	8.976	173	14.343	210	20.988	247	28.910
26	0.559	63	2.130	100	4.979	137	9.104	174	14.506	211	21.185	248	29.142
27	0.585	64	2.191	101	5.073	138	9.233	175	14.670	212	21.384	249	29.374
28	0.611	65	2.252	102	5.169	139	9.363	176	14.834	213	21.583	250	29 608
29	0.639	66	2.314	103	5.266	140	9.494	177	15.000	214	21.783	251	29.843
30	0.667	67	2.377	104	5.363	141	9.626	178	15.167	215	21.984	252	30.078
31	0.697	68	2.441	105	5.461	142	9.759	179	15.334	216	22.186	253	30.315
32	0.727	69	2.505	106	5.561	143	9.893	180	15.502	217	22.389	254	30.552
33	0.758	70	2.571	107	5.661	144	10.028	181	15.672	218	22.593		
34	0.791	71	2 636	108	5.762	145	10.164	182	15.842	219	22.797		
35	0.824	72	2.706	109	5.865	146	10.300	183	16.013	220	23.003		
36	0 858	73	2.774	110	5.968	147	10.438	184	16.185	221	23.210		
37	0.893	74	2.844	111	6.072	148	10.577	185	16.358	222	23.417		



This is a multiple mode measurement. It is three of three options. To be used with a cabin pressure of 14.7 psia.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS COR PARTIAL

MEASUREMENT NO. 200CF0005P32
VEHICLE SC-113
TRANSDUCER SERIAL NO. 065920200032
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/07/61

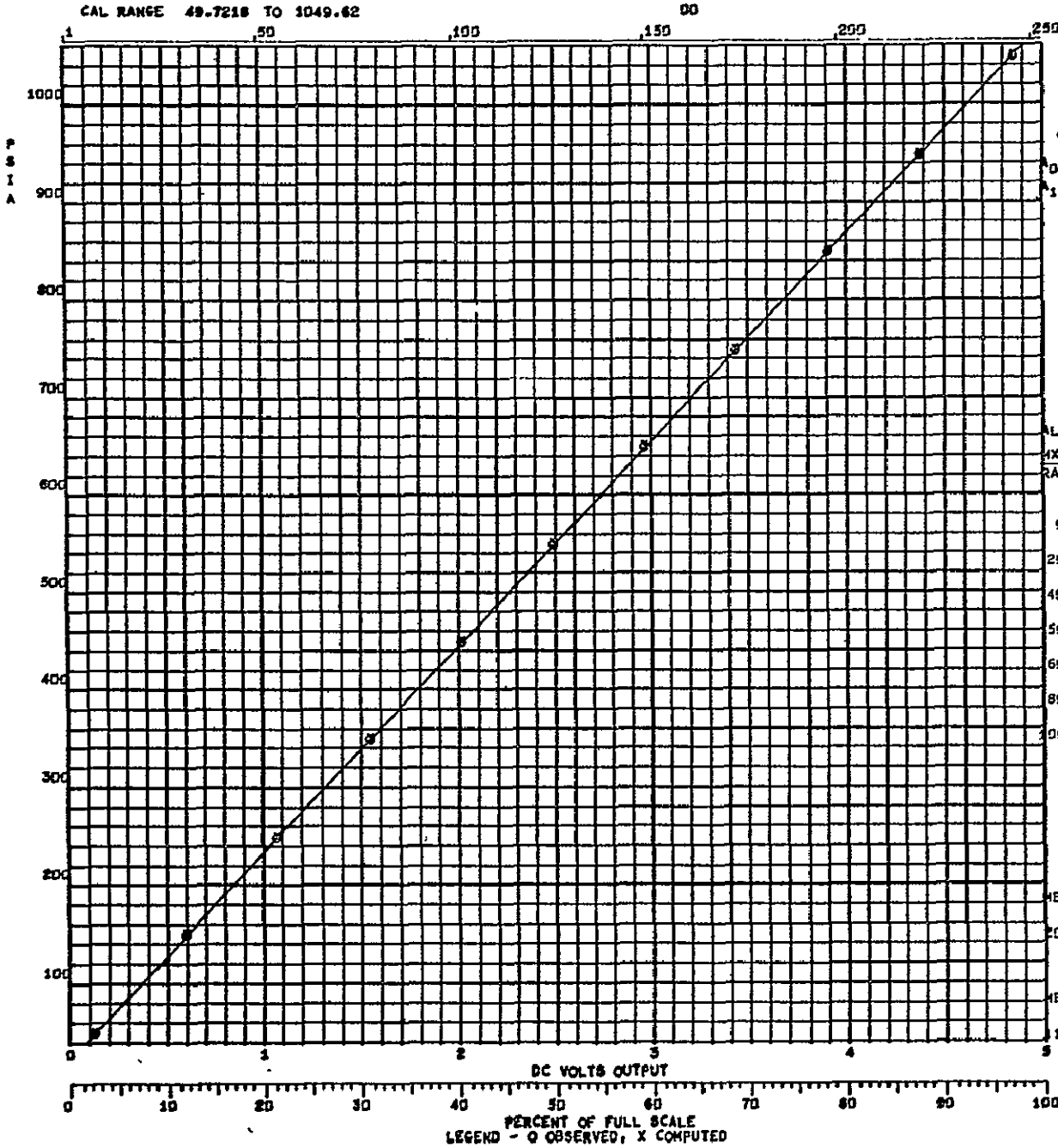
CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG	CNT	MMHG
1	0.075	38	0.637	75	1.678	112	3.196	149	5.193	186	7.667	223	10.620
2	0.084	39	0.659	76	1.713	113	3.244	150	5.253	187	7.741	224	10.706
3	0.093	40	0.681	77	1.748	114	3.292	151	5.314	188	7.815	225	10.793
4	0.102	41	0.704	78	1.783	115	3.340	152	5.376	189	7.889	226	10.880
5	0.112	42	0.727	79	1.819	116	3.389	153	5.437	190	7.964	227	10.968
6	0.123	43	0.750	80	1.855	117	3.438	154	5.499	191	8.038	228	11.055
7	0.133	44	0.774	81	1.892	118	3.488	155	5.562	192	8.114	229	11.144
8	0.144	45	0.797	82	1.928	119	3.537	156	5.624	193	8.189	230	11 232
9	0 156	46	0 822	83	1.966	120	3.588	157	5.687	194	8.265	231	11.321
10	0.167	47	0.846	84	2.003	121	3.638	158	5.751	195	8.342	232	11.410
11	0.180	48	0.871	85	2.041	122	3.689	159	5.815	196	8.418	233	11.500
12	0.192	49	0.897	86	2.079	123	3.740	160	5.879	197	8.495	234	11.590
13	0.205	50	0.922	87	2.118	124	3.792	161	5.943	198	8.573	235	11.680
14	0.218	51	0.948	88	2.157	125	3.843	162	6.008	199	8.650	236	11.771
15	0.231	52	0.975	89	2.196	126	3.896	163	6.073	200	8.728	237	11.862
16	0.245	53	1.001	90	2.236	127	3.948	164	6.138	201	8.807	238	11.953
17	0.259	54	1.029	91	2.276	128	4.001	165	6.204	202	8.885	239	12.045
18	0.274	55	1.056	92	2.316	129	4.054	166	6.270	203	8.965	240	12.137
19	0.289	56	1.084	93	2.357	130	4.108	167	6.337	204	9.044	241	12.229
20	0.304	57	1.112	94	2.398	131	4.162	168	6.404	205	9.124	242	12.322
21	0.319	58	1.140	95	2.439	132	4.216	169	6.471	206	9.204	243	12 415
22	0.335	59	1.169	96	2.481	133	4.271	170	6.539	207	9.284	244	12.508
23	0.352	60	1.198	97	2.523	134	4.326	171	6.607	208	9.365	245	12.602
24	0.368	61	1.228	98	2.566	135	4.381	172	6.675	209	9.446	246	12.696
25	0 385	62	1.258	99	2.608	136	4.437	173	6.744	210	9.528	247	12.791
26	0.402	63	1.288	100	2.652	137	4.493	174	6.812	211	9.610	248	12.885
27	0 420	64	1.319	101	2.695	138	4.549	175	6.882	212	9.692	249	12.980
28	0.438	65	1.349	102	2.739	139	4.606	176	6.951	213	9.775	250	13.076
29	0.456	66	1.381	103	2.783	140	4.663	177	7.021	214	9.858	251	13.172
30	0.475	67	1.412	104	2.828	141	4.721	178	7.092	215	9.941	252	13.268
31	0.494	68	1.444	105	2.872	142	4.779	179	7.163	216	10.025	253	13.365
32	0.514	69	1.477	106	2.918	143	4.837	180	7.234	217	10.109	254	13.462
33	0.533	70	1.509	107	2.963	144	4.895	181	7.305	218	10.193		
34	0.553	71	1.542	108	3.009	145	4.954	182	7.377	219	10.278		
35	0.574	72	1.576	109	3.055	146	5.013	183	7.449	220	10.363		
36	0.595	73	1.609	110	3.102	147	5.073	184	7.521	221	10.448		
37	0.616	74	1.643	111	3.149	148	5.133	185	7.594	222	10.534		

09/27/71
1 INSTALLATION DATE APRIL 28,1969
PRESS SURGE TANK
CAL RANGE 49.7218 TO 1049.62

SC-113

HARDWARE CALIB. NO. 56126 04 00 00
SERIAL NO. 10095402520A

=21515



EQUATION COEFFICIENTS

A_0= 2.414 E 01
A_1= 2.114 E 02

AL DEV= 0
AX DEV = 0
RANGE

0% = 2.414E 01
20% = 2.355E 02
40% = 4.469E 02
50% = 5.526E 02
60% = 6.583E 02
80% = 8.697E 02
100% = 1.081E 03

MEASUREMENT NO.
200CF0006P01

MEAS LOADING NO.
101912 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS SURGE TANK

MEASUREMENT NO. 200CF0006P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095402520A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 04/28/69

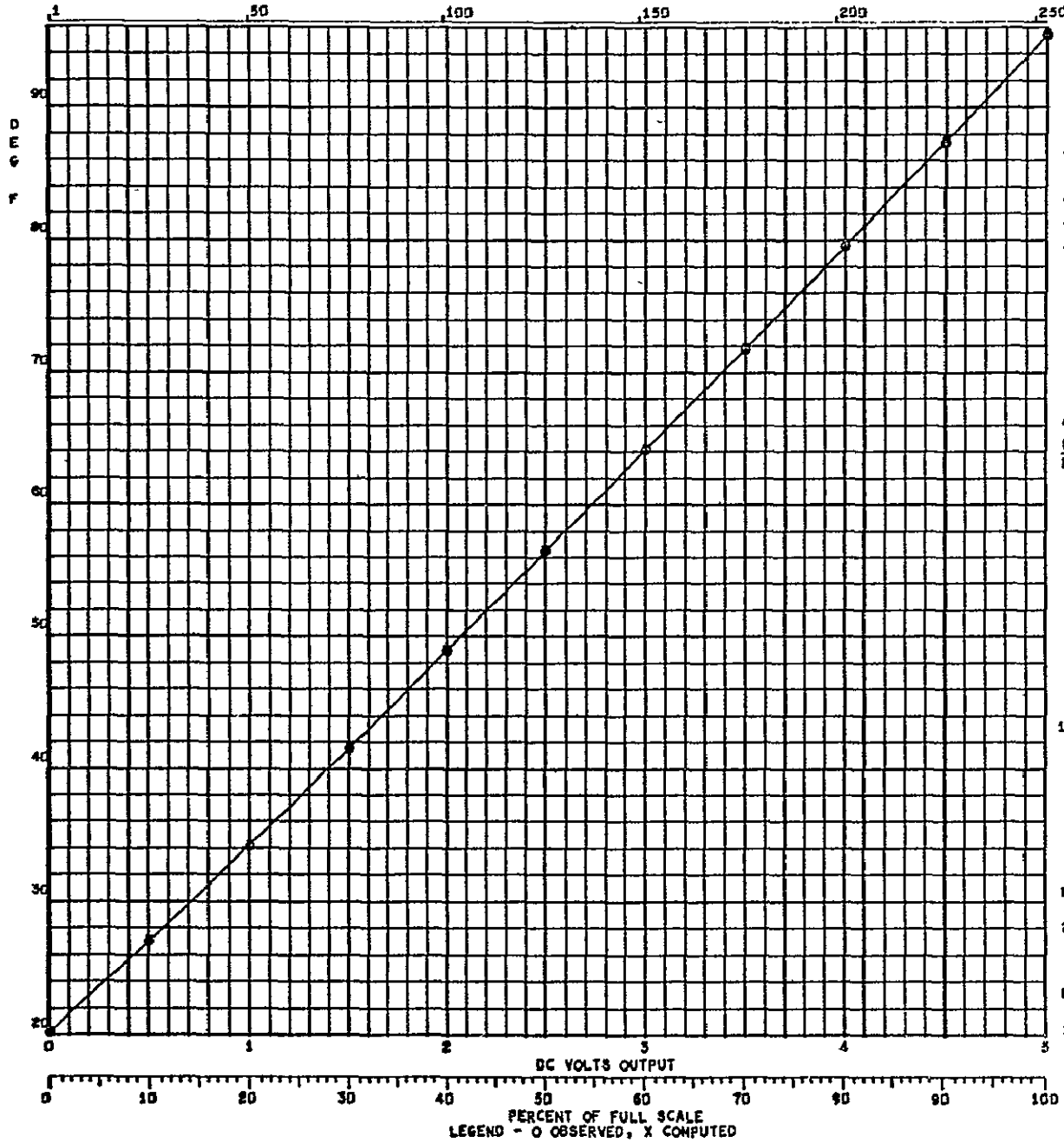
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	24.143	38	178.721	75	333.299	112	487.877	149	642.455	186	797.033	223	951.611
2	28.321	39	182.899	76	337.477	113	492.055	150	646.633	187	801.211	224	955.789
3	32.498	40	187.077	77	341.655	114	496.233	151	650.811	188	805.389	225	959.967
4	36.676	41	191.254	78	345 832	115	500.410	152	654.988	189	809.567	226	964.145
5	40.854	42	195.432	79	350.010	116	504.588	153	659.166	190	813.744	227	968.323
6	45.032	43	199.610	80	354.188	117	508.766	154	663.344	191	817.922	228	972.500
7	49.210	44	203.788	81	358.366	118	512.944	155	667.522	192	822.100	229	976.678
8	53.387	45	207.965	82	362.544	119	517.122	156	671.700	193	826.278	230	980.856
9	57.565	46	212.143	83	366.721	120	521.299	157	675.877	194	830.455	231	985.034
10	61.743	47	216.321	84	370 899	121	525.477	158	680.055	195	834.633	232	989.211
11	65.921	48	220.499	85	375.077	122	529.655	159	684.233	196	838 811	233	993.389
12	70.099	49	224.677	86	379.255	123	533.833	160	688.411	197	842.989	234	997.567
13	74.276	50	228.854	87	383.432	124	538.011	161	692.589	198	847.167	235	1001.745
14	78.454	51	233.032	88	387.610	125	542.188	162	696.766	199	851.344	236	1005.923
15	82.632	52	237.210	89	391.788	126	546.366	163	700.944	200	855.522	237	1010.100
16	86.810	53	241.388	90	395.966	127	550.544	164	705.122	201	859.700	238	1014.278
17	90.987	54	245.566	91	400.144	128	554.722	165	709.300	202	863.878	239	1018.456
18	95.165	55	249.743	92	404.321	129	558.899	166	713.477	203	868.056	240	1022.634
19	99.343	56	253.921	93	408.499	130	563.077	167	717.655	204	872.233	241	1026.812
20	103.521	57	258.099	94	412.677	131	567.255	168	721.833	205	876.411	242	1030.989
21	107.699	58	262.277	95	416.855	132	571.433	169	726.011	206	880.589	243	1035.167
22	111.876	59	266.454	96	421.033	133	575.611	170	730.189	207	884.767	244	1039.345
23	116.054	60	270.632	97	425.210	134	579.788	171	734.366	208	888.944	245	1043.523
24	120.232	61	274.810	98	429.388	135	583.966	172	738.544	209	893.122	246	1047.701
25	124.410	62	278.988	99	433.566	136	588.144	173	742.722	210	897.300	247	1051.878
26	128.588	63	283.166	100	437.744	137	592.322	174	746.900	211	901.478	248	1056.056
27	132.765	64	287.343	101	441.921	138	596.499	175	751.078	212	905.656	249	1060.234
28	136.943	65	291.521	102	446.099	139	600.677	176	755.255	213	909.833	250	1064.412
29	141.121	66	295.699	103	450.277	140	604 855	177	759.433	214	914.011	251	1068.590
30	145.299	67	299.877	104	454.455	141	609.033	178	763.611	215	918.189	252	1072.767
31	149.476	68	304.055	105	458.633	142	613.211	179	767.789	216	922.367	253	1076.945
32	153.654	69	308.232	106	462.810	143	617.388	180	771.966	217	926.545	254	1081.123
33	157.832	70	312.410	107	466 988	144	621.566	181	776.144	218	930.722		
34	162.010	71	316.588	108	471.166	145	625.744	182	780.322	219	934.900		
35	166.188	72	320.766	109	475.344	146	629.922	183	784.500	220	939.078		
36	170.365	73	324.943	110	479.522	147	634.100	184	788.678	221	943.256		
37	174.543	74	329.121	111	483.699	148	638.277	185	792.855	222	947.434		

09/27/71
4 INSTALLATION DATE AUG. 19,1969
TEMP SUIT SUPPLY MANIF
CAL RANGE 20.2137 TO 95.4797

SC-113

HARDWARE CALIB. NO. SERIAL NO.
76447 01 004000037126
77483 01 004000118393
00

=21515



EQUATION COEFFICIENTS

A_0= 2.021 E 01
A_1= 1.340 E 01
A_2= 7.018 E-01
A_3= -1.270 E-01
A_4= 1.056 E-02

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = 2.021E 01
20% = 3.420E 01
40% = 4.897E 01
50% = 5.653E 01
60% = 6.416E 01
80% = 7.962E 01
100% = 9.548E 01

MEASUREMENT NO.
200CF0008T01

MEAS LOADING NO.
1015116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SUIT SUPPLY MANIF

MEASUREMENT NO. 200CF0008T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000037126
SIGNAL CONDITIONER SERIAL NO. 004000118393
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

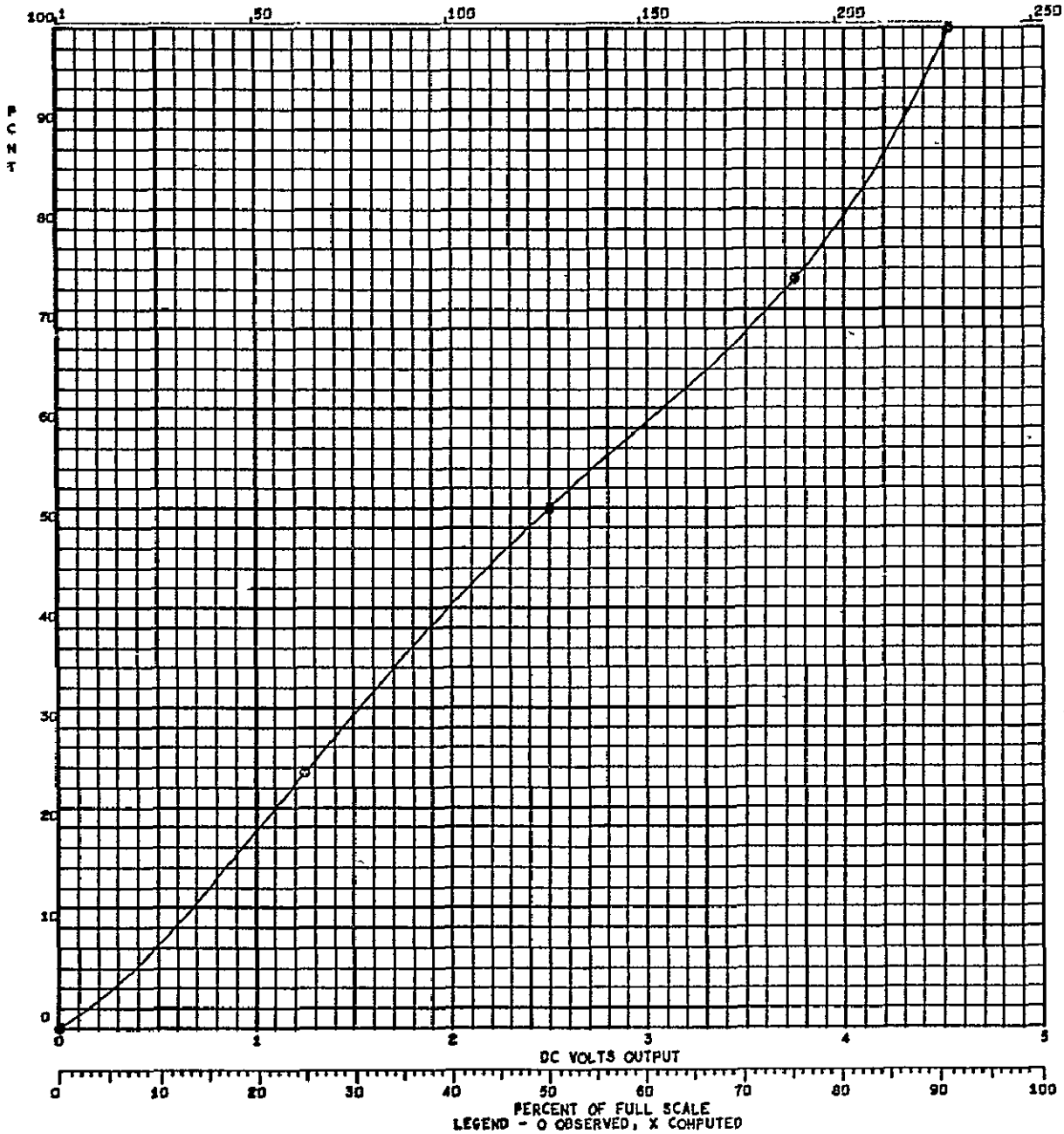
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	20.214	38	30.341	75	40.962	112	51.889	149	63.005	186	74.265	223	85.698
2	20.479	39	30.622	76	41 254	113	52.188	150	63.308	187	74.572	224	86.010
3	20.744	40	30.904	77	41.547	114	52.486	151	63.610	188	74.878	225	86.322
4	21.011	41	31.186	78	41.839	115	52.785	152	63.913	189	75.185	226	86.635
5	21.277	42	31.469	79	42.132	116	53.083	153	64 216	190	75.492	227	86.947
6	21.545	43	31.752	80	42.424	117	53.382	154	64.519	191	75.799	228	87.260
7	21.812	44	32.035	81	42.717	118	53.681	155	64.822	192	76.106	229	87.574
8	22 081	45	32 319	82	43.011	119	53.980	156	65.125	193	76.413	230	87.887
9	22.349	46	32.603	83	43.304	120	54.280	157	65.428	194	76.720	231	88.200
10	22.619	47	32.887	84	43.598	121	54.579	158	65.731	195	77.028	232	88.514
11	22.888	48	33.172	85	43.892	122	54.878	159	66.034	196	77.335	233	88.828
12	23.159	49	33.457	86	44.186	123	55.178	160	66.338	197	77.643	234	89.143
13	23.429	50	33.742	87	44.480	124	55.478	161	66.641	198	77.951	235	89.457
14	23.701	51	34.027	88	44.774	125	55.777	162	66.945	199	78.259	236	89.772
15	23.972	52	34.313	89	45.069	126	56.077	163	67.249	200	78.567	237	90.087
16	24.244	53	34.599	90	45.364	127	56.377	164	67.553	201	78.875	238	90.402
17	24.517	54	34.886	91	45.659	128	56.677	165	67.857	202	79.184	239	90.717
18	24.790	55	35.173	92	45.954	129	56.978	166	68.161	203	79.492	240	91.033
19	25.064	56	35.460	93	46.249	130	57.278	167	68.465	204	79.801	241	91.349
20	25.338	57	35.747	94	46.544	131	57.579	168	68.769	205	80.110	242	91.665
21	25.612	58	36.034	95	46.840	132	57.879	169	69.074	206	80.419	243	91.981
22	25.887	59	36.322	96	47.136	133	58.180	170	69 378	207	80.728	244	92.298
23	26.162	60	36.610	97	47.432	134	58.481	171	69.683	208	81.037	245	92.615
24	26.438	61	36.899	98	47.728	135	58.782	172	69.988	209	81.347	246	92.932
25	26.714	62	37.187	99	48.024	136	59.083	173	70.292	210	81.656	247	93.250
26	26.991	63	37.476	100	48.321	137	59.384	174	70.597	211	81.966	248	93.567
27	27.268	64	37.765	101	48 617	138	59.685	175	70 902	212	82.276	249	93.885
28	27.545	65	38.055	102	48.914	139	59.986	176	71.208	213	82.586	250	94.204
29	27.823	66	38 345	103	49.211	140	60.288	177	71.513	214	82.897	251	94.522
30	28.101	67	38 634	104	49.508	141	60.589	178	71.818	215	83.207	252	94.841
31	28.380	68	38.925	105	49.805	142	60 891	179	72.124	216	83.518	253	95.160
32	28.659	69	39.215	106	50.102	143	61.193	180	72.429	217	83.829	254	95.480
33	28.938	70	39.506	107	50.400	144	61.494	181	72.735	218	84.140		
34	29.218	71	39.797	108	50.698	145	61.796	182	73.041	219	84.451		
35	29.498	72	40.088	109	50.995	146	62.098	183	73.347	220	84.762		
36	29.779	73	40.379	110	51.293	147	62.401	184	73.653	221	85.074		
37	30.059	74	40.671	111	51.591	148	62.703	185	73.959	222	85.386		

09/27/71
4 INSTALLATION DATE APRIL 1,1969
QUANTITY WASTE WATER TANK
CAL RANGE -.000000 TO 99.9995

SC-113

HARDWARE CALIB. NO. 80946 02 00 00
SERIAL NO. 004000046101

=21513



EQUATION COEFFICIENTS

A_0= -8.008 E-13
A_1= 1.151 E 01
A_2= 1.247 E 01
A_3= -5.062 E 00
A_4= 8.242 E-01

AL DEV= 0
MX DEV / RANGE = 0

0% =-8.008E-13
20% = 1.954E 01
40% = 4.239E 01
50% = 5.200E 01
60% = 6.064E 01
80% = 8.138E 01
100% = 1.267E 02

MEASUREMENT NO.
200CF0009201

MEAS LOADING NO.
1993116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUANTITY WASTE WATER TANK

MEASUREMENT NO 200CF0009001
VEHICLE SC-113
TRANSDUCER SERIAL NO. 504000046101
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/01/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.000	38	13.284	75	30.526	112	46.275	149	59.363	186	72.906	223	94.302
2	0.232	39	13.732	76	30.986	113	46.659	150	59.700	187	73.338	224	95.089
3	0.474	40	14.183	77	31.445	114	47.041	151	60.036	188	73.776	225	95.890
4	0.725	41	14.636	78	31.902	115	47.421	152	60.373	189	74.219	226	96.706
5	0.985	42	15.091	79	32.358	116	47.799	153	60.710	190	74.669	227	97.536
6	1.254	43	15.548	80	32.812	117	48.175	154	61.048	191	75.125	228	98.382
7	1.532	44	16.007	81	33.264	118	48.548	155	61.386	192	75.587	229	99.243
8	1.818	45	16.467	82	33.715	119	48.920	156	61.725	193	76.056	230	100.120
9	2.112	46	16.930	83	34.164	120	49.289	157	62.065	194	76.531	231	101.013
10	2.414	47	17.394	84	34.611	121	49.657	158	62.405	195	77.014	232	101.922
11	2.724	48	17.859	85	35.056	122	50 022	159	62.747	196	77.504	233	102.848
12	3.041	49	18 325	86	35.499	123	50.386	160	63.090	197	78.002	234	103.791
13	3.366	50	18.793	87	35.941	124	50.748	161	63.435	198	78.507	235	104.750
14	3.698	51	19 262	88	36.380	125	51.108	162	63.781	199	79.020	236	105.727
15	4.036	52	19.731	89	36.818	126	51.466	163	64.128	200	79.541	237	106.722
16	4.381	53	20.201	90	37.253	127	51.822	164	64.478	201	80.070	238	107.735
17	4.733	54	20 672	91	37.686	128	52.177	165	64.829	202	80.609	239	108.766
18	5.091	55	21.144	92	38.118	129	52.530	166	65.182	203	81.155	240	109.816
19	5.455	56	21.615	93	38.547	130	52.882	167	65.537	204	81.711	241	110.885
20	5.825	57	22.088	94	38 974	131	53.232	168	65.895	205	82.276	242	111.974
21	6.201	58	22.560	95	39.399	132	53.581	169	66.255	206	82.851	243	113.081
22	6.582	59	23.032	96	39.821	133	53.929	170	66.618	207	83.435	244	114.209
23	6.969	60	23.505	97	40.242	134	54.275	171	66.984	208	84.029	245	115.357
24	7.360	61	23.977	98	40.660	135	54.620	172	67.352	209	84.634	246	116.526
25	7.757	62	24.449	99	41.076	136	54.964	173	67.723	210	85.249	247	117.715
26	8.158	63	24.921	100	41.489	137	55.306	174	68.098	211	85.874	248	118.926
27	8.564	64	25.392	101	41.900	138	55.648	175	68.476	212	86.510	249	120.158
28	8.975	65	25.863	102	42.310	139	55.989	176	68.858	213	87.158	250	121.412
29	9.389	66	26.333	103	42.716	140	56.328	177	69.243	214	87.817	251	122.688
30	9.808	67	26.803	104	43.121	141	56.668	178	69.632	215	88.487	252	123.987
31	10.230	68	27.272	105	43.523	142	57.006	179	70.026	216	89.170	253	125 309
32	10.657	69	27.740	106	43.923	143	57.344	180	70.423	217	89.864	254	126.654
33	11.087	70	28.207	107	44.321	144	57.681	181	70.825	218	90.571		
34	11.520	71	28.673	108	44.716	145	58.018	182	71.231	219	91.291		
35	11.957	72	29.138	109	45.109	146	58.355	183	71.643	220	92.024		
36	12.396	73	29.602	110	45.500	147	58.691	184	72.059	221	92.769		
37	12.839	74	30.065	111	45.889	148	59.027	185	72 480	222	93.529		

09/27/71

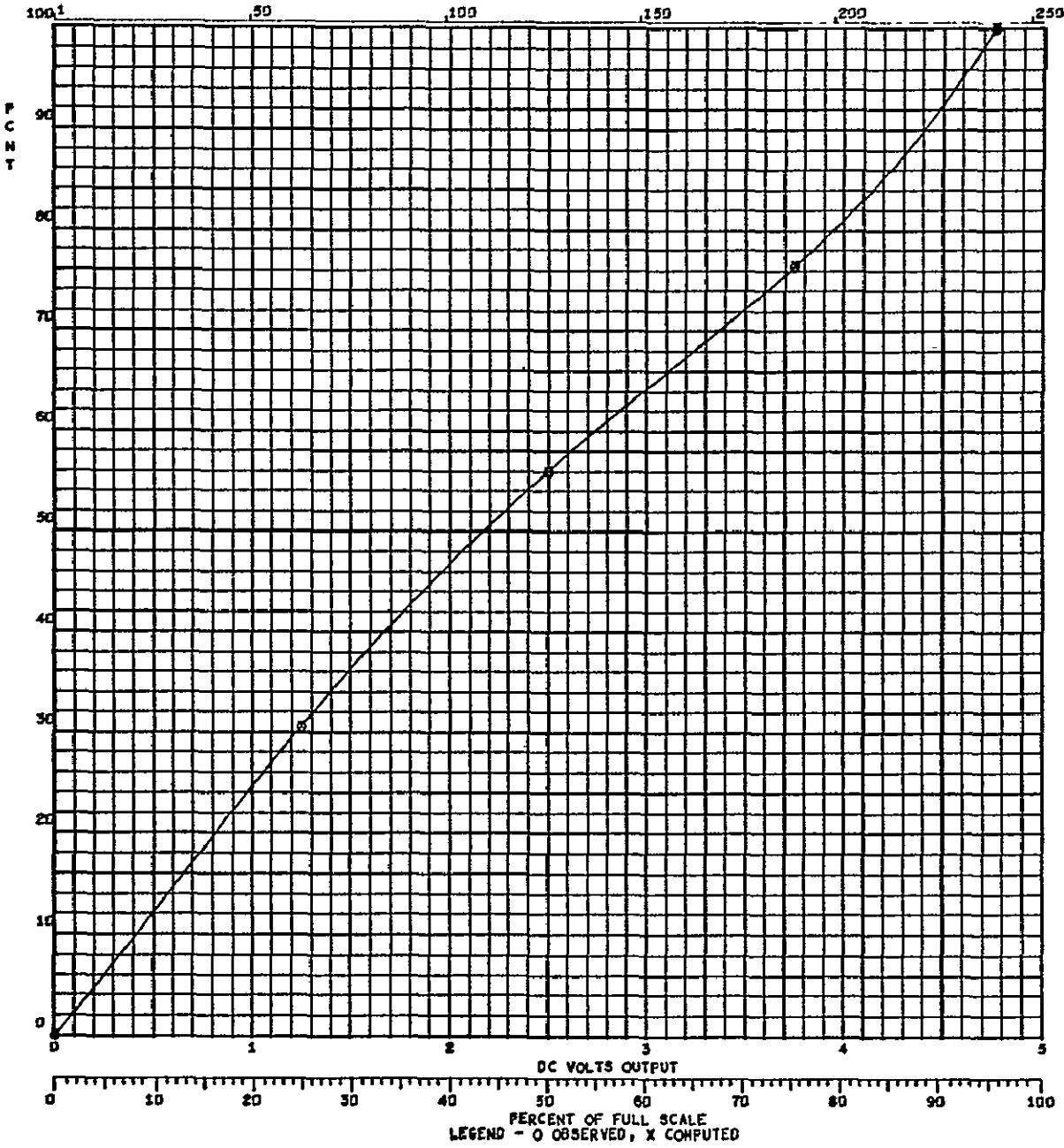
4 INSTALLATION DATE APRIL 10,1969
QUAN POTABLE H2O TANK
CAL RANGE -.000000 TO 99.9999

SC-113

HARDWARE CALIB. NO. 75957 02 00 00

SERIAL NO. 004000046115

=21315



EQUATION COEFFICIENTS

A_0= -3.748 E-13
A_1= 2.340 E 01
A_2= 2.993 E 00
A_3= -2.045 E 00
A_4= 2.754 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -3.748E-13
20% = 2.462E 01
40% = 4.681E 01
60% = 6.422E 01
80% = 8.109E 01
100% = 1.083E 02

MEASUREMENT NO.

200CF0010001

MEAS LOADING NO.

1027116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN POTABLE H2O TANK

MEASUREMENT NO. 200CF9010201
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000046115
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/10/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.000	38	17.988	75	35.480	112	50.515	149	63.019	186	74.809	223	89.590
2	0.464	39	18.480	76	35.923	113	50.883	150	63.335	187	75.148	224	90.079
3	0.929	40	18.972	77	36.365	114	51.248	151	63.650	188	75.489	225	90.575
4	1.397	41	19.463	78	36 804	115	51.611	152	63.964	189	75.833	226	91.077
5	1.867	42	19.553	79	37.241	116	51.973	153	64.278	190	76.179	227	91.585
6	2.339	43	20.443	80	37.677	117	52.332	154	64.592	191	76.527	228	92.100
7	2.813	44	20.932	81	38.110	118	52.690	155	64.905	192	76.878	229	92.622
8	3.289	45	21.421	82	38.541	119	53.046	156	65.218	193	77.232	230	93.151
9	3.766	46	21.908	83	38.971	120	53.400	157	65.531	194	77.588	231	93.687
10	4.245	47	22.395	84	39.398	121	53.752	158	65.843	195	77.947	232	94.230
11	4.725	48	22.880	85	39.823	122	54.103	159	66.156	196	78.309	233	94.781
12	5.207	49	23.365	86	40.247	123	54.451	160	66.468	197	78.674	234	95.339
13	5.690	50	23.848	87	40.668	124	54.798	161	66.780	198	79.043	235	95.905
14	6.175	51	24.331	88	41.087	125	55.144	162	67.093	199	79.414	236	96.478
15	6.661	52	24.812	89	41.504	126	55.487	163	67.405	200	79.789	237	97.059
16	7.148	53	25.292	90	41.918	127	55.830	164	67.718	201	80.167	238	97.649
17	7.635	54	25.771	91	42.331	128	56.170	165	68.031	202	80.549	239	98.247
18	8.124	55	26.249	92	42.742	129	56.509	166	68.345	203	80.935	240	98.853
19	8.614	56	26.725	93	43.150	130	56.846	167	68.659	204	81.324	241	99.467
20	9.104	57	27.200	94	43.557	131	57.182	168	68.973	205	81.717	242	100.090
21	9.596	58	27.674	95	43.961	132	57.517	169	69.288	206	82.114	243	100.722
22	10.087	59	28.146	96	44.363	133	57.850	170	69.604	207	82.516	244	101.363
23	10.580	60	28.617	97	44.763	134	58.181	171	69.921	208	82.921	245	102.013
24	11.073	61	29.086	98	45.161	135	58.512	172	70.238	209	83.331	246	102.672
25	11.566	62	29.553	99	45.557	136	58.841	173	70.556	210	83.745	247	103.341
26	12.060	63	30.020	100	45.951	137	59.168	174	70.875	211	84.164	248	104.019
27	12.554	64	30.484	101	46.343	138	59.495	175	71.195	212	84.588	249	104.707
28	13.048	65	30.947	102	46.732	139	59.820	176	71.516	213	85.016	250	105.405
29	13.542	66	31.408	103	47.120	140	60.145	177	71.839	214	85.449	251	106.113
30	14.037	67	31.868	104	47.505	141	60.468	178	72.163	215	85.888	252	106.830
31	14.531	68	32.326	105	47.889	142	60.790	179	72.488	216	86.331	253	107.559
32	15.026	69	32.782	106	48.270	143	61.111	180	72.814	217	86.780	254	108.297
33	15.520	70	33.236	107	48.649	144	61.431	181	73.142	218	87.234		
34	16.014	71	33.689	108	49.027	145	61.750	182	73.472	219	87.694		
35	16.508	72	34.139	109	49.402	146	62.069	183	73.803	220	88.159		
36	17.002	73	34.588	110	49.775	147	62.386	184	74.137	221	88.630		
37	17.495	74	35.035	111	50.146	148	62.703	185	74.472	222	89.107		

9/27/71

INSTALLATION DATE DEC. 29,1960

PRESS SUIT DEMAND REG SENSE

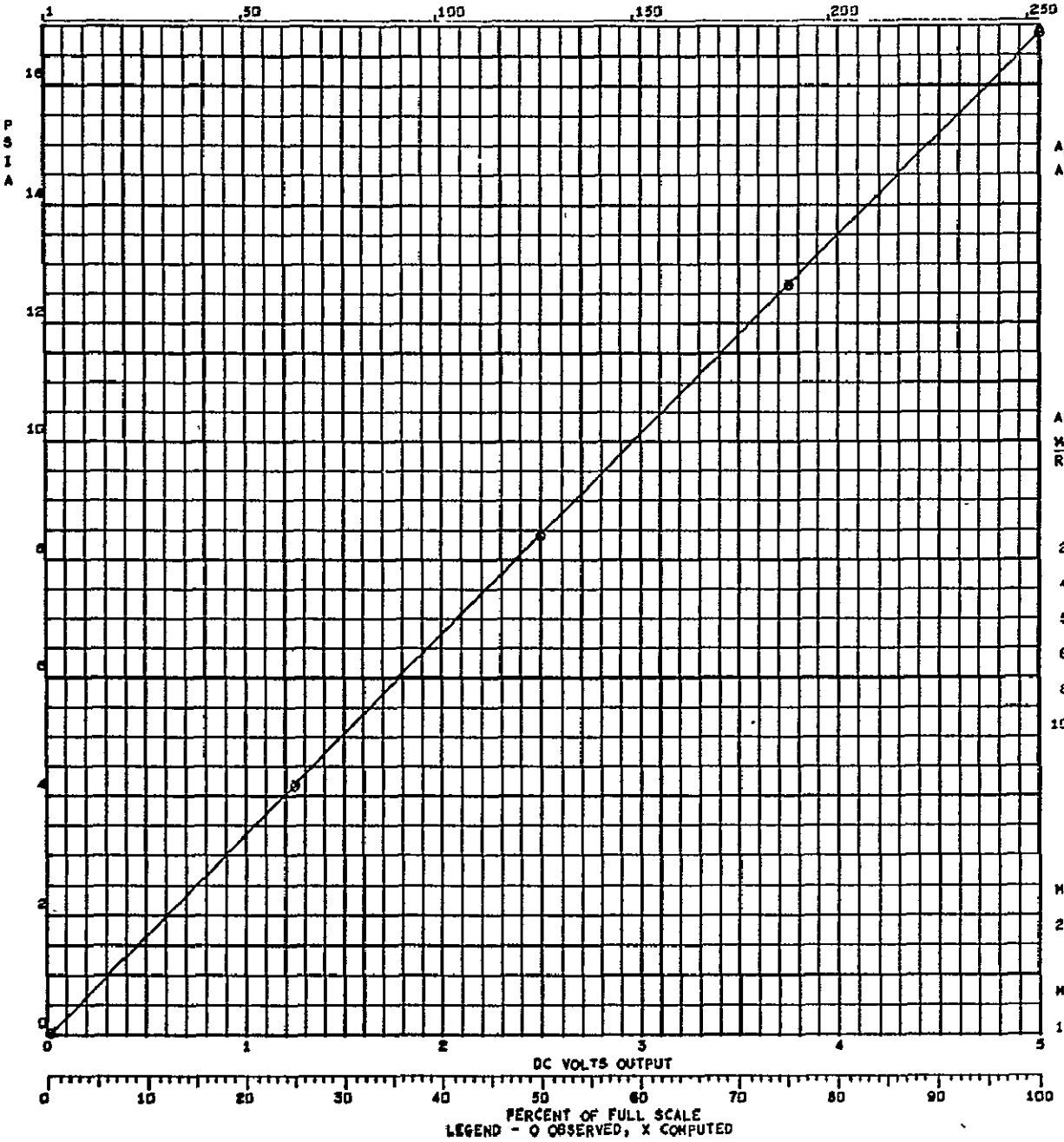
CAL RANGE .019436 TO 16.8788

SC-113

HARDWARE CALIB. NO. 78495 01 00 00

SERIAL NO. 004000050026

=21515



EQUATION COEFFICIENTS

A_0= -4.827 E-02

A_1= 3.385 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$= 0

0% = -4.827E-02

20% = 3.337E 00

40% = 6.723E 00

50% = 8.415E 00

60% = 1.011E 01

80% = 1.349E 01

100% = 1.688E 01

MEASUREMENT NO.

200CF0012P02

MEAS LOADING NO.

1101009 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS SUIT DEMAND REG SENSE

MEASUREMENT NO. 200CF0012F02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000050026
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/29/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-0.048	38	2.427	75	4.903	112	7.378	149	9.854	186	12.329	223	14.805
2	0.019	39	2.494	76	4.970	113	7.445	150	9.921	187	12.396	224	14.872
3	0.086	40	2.561	77	5.037	114	7.512	151	9.988	188	12.463	225	14.939
4	0.152	41	2.628	78	5.103	115	7.579	152	10.054	189	12.530	226	15.005
5	0.219	42	2.695	79	5.170	116	7.646	153	10.121	190	12.597	227	15.072
6	0.286	43	2.762	80	5.237	117	7.713	154	10.188	191	12.664	228	15.139
7	0.353	44	2.829	81	5.304	118	7.780	155	10.255	192	12.731	229	15.206
8	0.420	45	2.896	82	5.371	119	7.847	156	10.322	193	12.798	230	15.273
9	0.487	46	2.962	83	5 438	120	7.913	157	10.389	194	12.864	231	15.340
10	0.554	47	3.029	84	5.505	121	7.980	158	10.456	195	12.931	232	15.407
11	0.621	48	3.096	85	5.572	122	8.047	159	10.523	196	12.998	233	15.474
12	0.688	49	3.163	86	5.639	123	8.114	160	10.590	197	13.065	234	15.541
13	0.755	50	3.230	87	5.706	124	8.181	161	10.657	198	13.132	235	15.608
14	0.821	51	3.297	88	5.772	125	8.248	162	10.723	199	13.199	236	15.674
15	0 888	52	3.364	89	5 839	126	8.315	163	10.790	200	13.266	237	15.741
16	0.955	53	3.431	90	5.906	127	8.382	164	10.857	201	13.333	238	15.808
17	1.022	54	3.498	91	5.973	128	8.449	165	10.924	202	13.400	239	15.875
18	1.089	55	3.565	92	6.040	129	8.516	166	10.991	203	13.467	240	15.942
19	1.156	56	3.632	93	6.107	130	8.583	167	11.058	204	13.534	241	16.009
20	1.223	57	3.698	94	6.174	131	8.649	168	11.125	205	13.600	242	16.076
21	1.290	58	3.765	95	6.241	132	8.716	169	11.192	206	13.667	243	16.143
22	1.357	59	3.832	96	6.308	133	8.783	170	11.259	207	13.734	244	16.210
23	1.424	60	3.899	97	6.375	134	8.850	171	11.326	208	13.801	245	16.277
24	1.491	61	3.966	98	6.442	135	8.917	172	11.393	209	13.868	246	16.344
25	1.557	62	4.033	99	6.508	136	8.984	173	11.459	210	13.935	247	16.410
26	1.624	63	4.100	100	6.575	137	9 051	174	11.526	211	14.002	248	16.477
27	1.691	64	4.167	101	6.642	138	9.118	175	11.593	212	14.069	249	16.544
28	1.758	65	4.234	102	6.709	139	9.185	176	11.660	213	14.136	250	16.611
29	1.825	66	4.301	103	6.776	140	9.252	177	11.727	214	14.203	251	16.678
30	1.892	67	4.367	104	6.843	141	9.318	178	11.794	215	14.269	252	16.745
31	1.959	68	4.434	105	6.910	142	9.385	179	11.861	216	14.336	253	16.812
32	2.026	69	4.501	106	6.977	143	9.452	180	11.928	217	14.403	254	16.879
33	2.093	70	4.568	107	7.044	144	9.519	181	11.995	218	14.470		
34	2.160	71	4.635	108	7.111	145	9.586	182	12.062	219	14.537		
35	2.227	72	4.702	109	7.178	146	9.653	183	12.129	220	14.604		
36	2.293	73	4.769	110	7.244	147	9.720	184	12.195	221	14.671		
37	2.360	74	4.836	111	7.311	148	9.787	185	12.262	222	14.738		

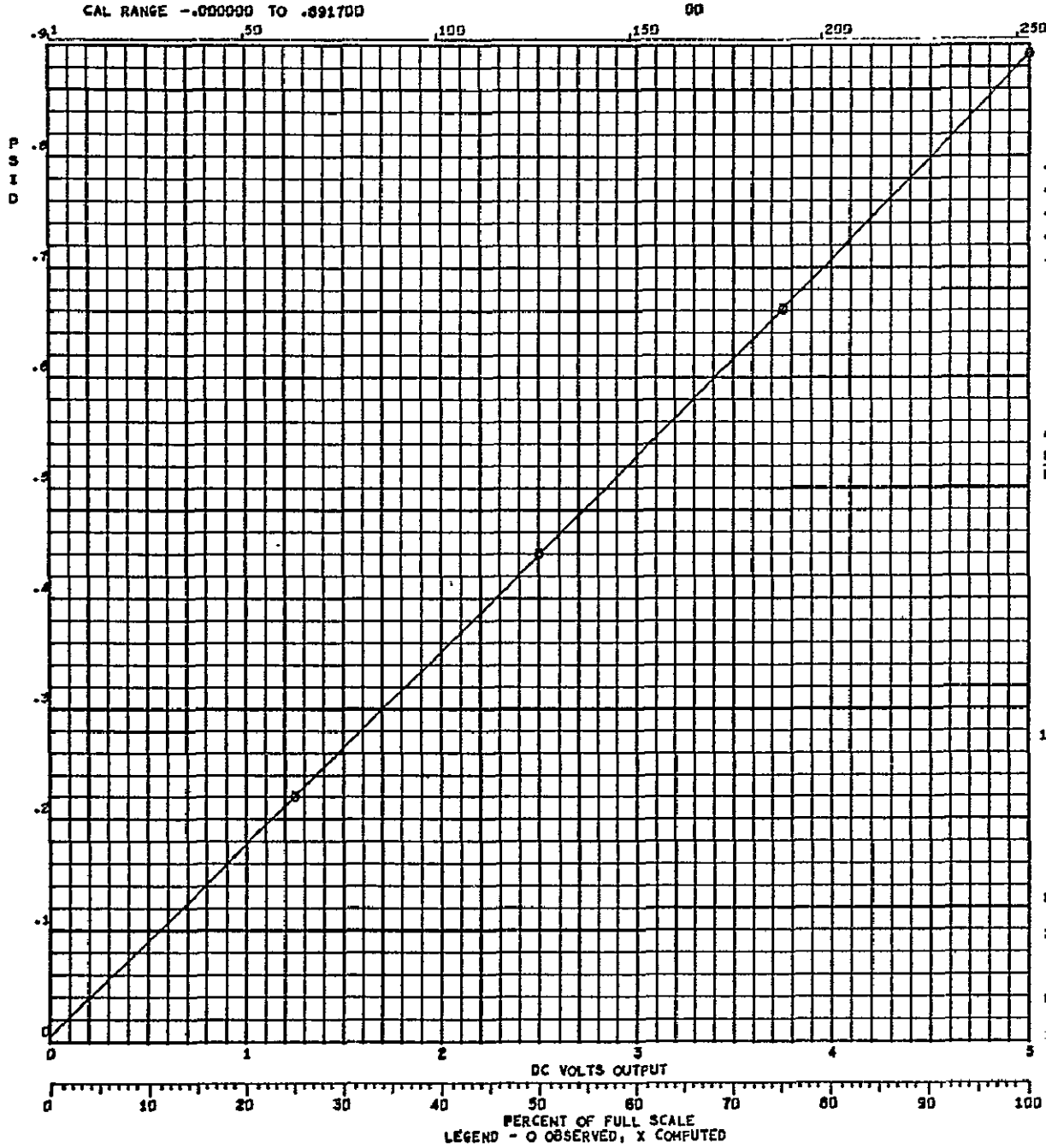
09/27/71
4 INSTALLATION DATE AUG. 19,1969
PRESS SUIT COMPRESSOR DIFF
CAL RANGE -.000000 TO .691700

SC-113

HARDWARE CALIB. NO. 77485 01 00 00

SERIAL NO. 004000009977

=2151'



EQUATION COEFFICIENTS

A_0= 4.953 E-03
A_1= 1.708 E-01
A_2= 1.761 E-03
A_3= -3.526 E-04
A_4= 5.210 E-05

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = 4.953E-03
20% = 1.773E-01
40% = 3.517E-01
50% = 4.396E-01
60% = 5.280E-01
80% = 7.073E-01
100% = 8.917E-01

MEASUREMENT NO.
200CF0015P01

MEAS LOADING NO.
1101010 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS SUIT COMPRESSOR DIFF

MEASUREMENT NO. 200CF0015P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000009977
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID
1	0.005	38	0.131	75	0.258	112	0.386	149	0.515	186	0.645	223	0.778
2	0.008	39	0.134	76	0.261	113	0.389	150	0.518	187	0.649	224	0.782
3	0.012	40	0.138	77	0.265	114	0.393	151	0.522	188	0.652	225	0.785
4	0.015	41	0.141	78	0.268	115	0.396	152	0.525	189	0.656	226	0.789
5	0.018	42	0.144	79	0.271	116	0.400	153	0.529	190	0.659	227	0.792
6	0.022	43	0.148	80	0.275	117	0.403	154	0.532	191	0.663	228	0.796
7	0.025	44	0.151	81	0.278	118	0.407	155	0.536	192	0.667	229	0.800
8	0.029	45	0.155	82	0.282	119	0.410	156	0.539	193	0.670	230	0.803
9	0.032	46	0.158	83	0.285	120	0.413	157	0.543	194	0.674	231	0.807
10	0.035	47	0.161	84	0.289	121	0.417	158	0.546	195	0.677	232	0.811
11	0.039	48	0.165	85	0.292	122	0.420	159	0.550	196	0.681	233	0.814
12	0.042	49	0.168	86	0.296	123	0.424	160	0.553	197	0.684	234	0.818
13	0.046	50	0.172	87	0.299	124	0.427	161	0.557	198	0.688	235	0.822
14	0.049	51	0.175	88	0.303	125	0.431	162	0.560	199	0.692	236	0.825
15	0.052	52	0.179	89	0.306	126	0.434	163	0.564	200	0.695	237	0 829
16	0.056	53	0.182	90	0.309	127	0.438	164	0.567	201	0.699	238	0.833
17	0.059	54	0.185	91	0.313	128	0.441	165	0.571	202	0.702	239	0.836
18	0.063	55	0.189	92	0.316	129	0.445	166	0.574	203	0.706	240	0.840
19	0.066	56	0.192	93	0.320	130	0.448	167	0.578	204	0.709	241	0.844
20	0.069	57	0.196	94	0.323	131	0.452	168	0.582	205	0.713	242	0.847
21	0.073	58	0.199	95	0.327	132	0.455	169	0.585	206	0.717	243	0.851
22	0.076	59	0.203	96	0.330	133	0.459	170	0.589	207	0.720	244	0.855
23	0.080	60	0.206	97	0.334	134	0.462	171	0.592	208	0.724	245	0.858
24	0.083	61	0.210	98	0.337	135	0.466	172	0.596	209	0.727	246	0.862
25	0.086	62	0.213	99	0.341	136	0.469	173	0.599	210	0.731	247	0.866
26	0.090	63	0.216	100	0.344	137	0.473	174	0.603	211	0.735	248	0.869
27	0.093	64	0.220	101	0.348	138	0.476	175	0.606	212	0.738	249	0.873
28	0.097	65	0.223	102	0.351	139	0.480	176	0.610	213	0.742	250	0.877
29	0.100	66	0.227	103	0.354	140	0.483	177	0.613	214	0.745	251	0.881
30	0.103	67	0.230	104	0.358	141	0.487	178	0.617	215	0.749	252	0 884
31	0.107	68	0.234	105	0.361	142	0.490	179	0.620	216	0.753	253	0.888
32	0.110	69	0.237	106	0.365	143	0.494	180	0.624	217	0.756	254	0.892
33	0.114	70	0.240	107	0.368	144	0.497	181	0.627	218	0.760		
34	0.117	71	0.244	108	0.372	145	0.501	182	0.631	219	0.763		
35	0.120	72	0.247	109	0.375	146	0.504	183	0.635	220	0.767		
36	0.124	73	0.251	110	0.379	147	0.508	184	0.638	221	0.771		
37	0.127	74	0.254	111	0.382	148	0.511	185	0.642	222	0.774		

09/27/71

1 INSTALLATION DATE SEPT. 18,1960

PRESS GLYCOL PUMP OUTLET

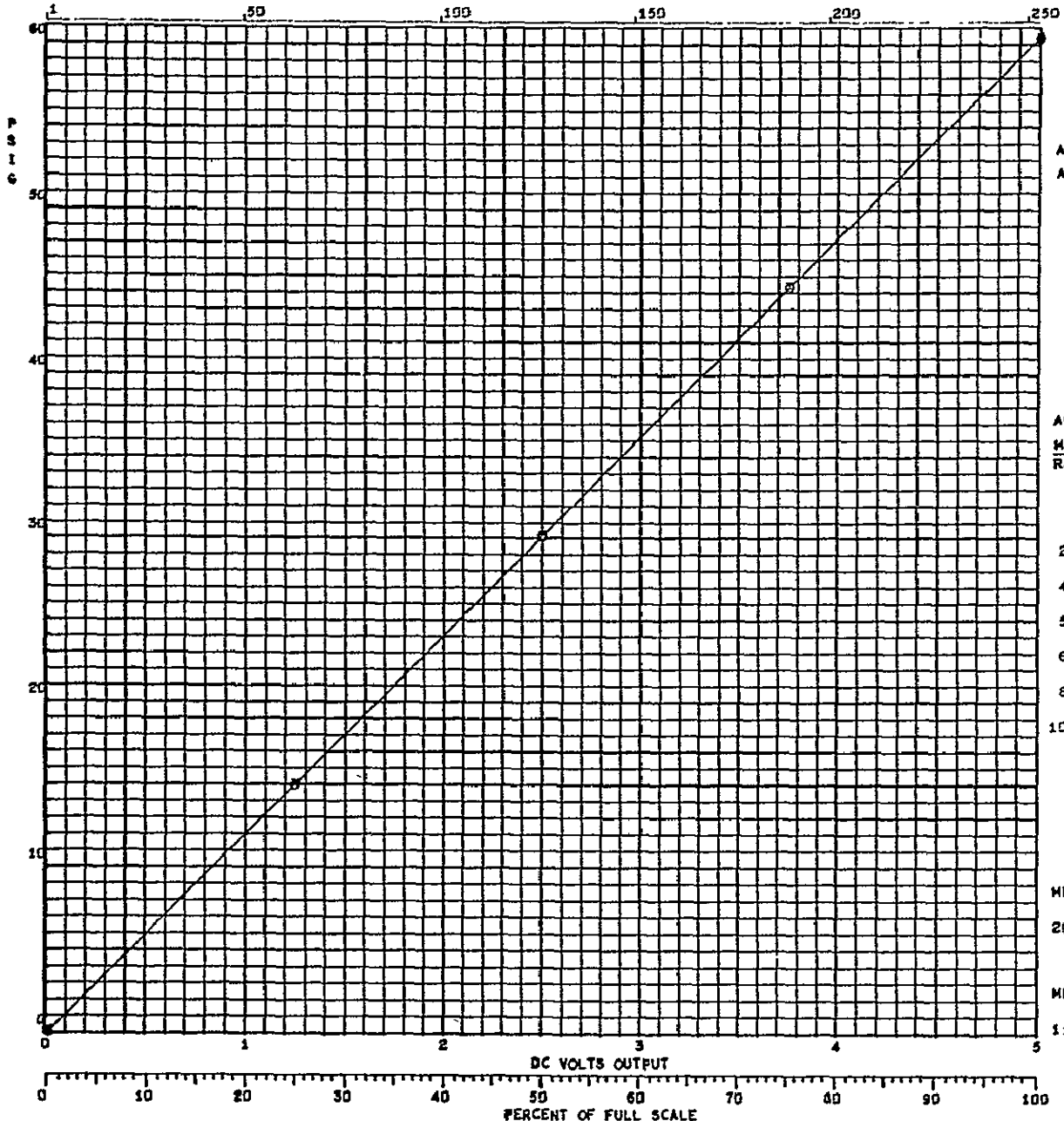
V CAL RANGE -054052 TO 60.4418

SC-113

HARDWARE CALIB. NO. 54837 01 00 00

SERIAL NO. 004000050062

#21515



EQUATION COEFFICIENTS

A_0= -1.058 E-01

A_1= 1.211 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.058E-01

20% = 1.200E 01

40% = 2.411E-01

50% = 3.017E 01

60% = 3.622E 01

80% = 4.833E 01

100% = 6.044E 01

MEASUREMENT NO.

200CF0016P03

MEAS LOADING NO.

1101011 12 20

5 071

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS GLYCOL PUMP OUTLET

MEASUREMENT NO. 200CF0016F03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000050062
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/18/60

CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG
1	-0.106	38	8.749	75	17.604	112	26.459	149	35.313	186	44.168	223	53.023
2	0.134	39	8.988	76	17.843	113	26.698	150	35.553	187	44.407	224	53.262
3	0.373	40	9 228	77	18.082	114	26.937	151	35.792	188	44.647	225	53.502
4	0.612	41	9.467	78	18.322	115	27.177	152	36.031	189	44.886	226	53.741
5	0.851	42	9.706	79	18.561	116	27.416	153	36.271	190	45.125	227	53.980
6	1.091	43	9.946	80	18.800	117	27.655	154	36.510	191	45.365	228	54.220
7	1.330	44	10.185	81	19.040	118	27.895	155	36.749	192	45.604	229	54.459
8	1.569	45	10.424	82	19.279	119	28.134	156	36.989	193	45.843	230	54.698
9	1.809	46	10.664	83	19.518	120	28.373	157	37.228	194	46.083	231	54.938
10	2.048	47	10.903	84	19.758	121	28.612	158	37.467	195	46.322	232	55.177
11	2.287	48	11.142	85	19.997	122	28.852	159	37.707	196	46.561	233	55.416
12	2.527	49	11.382	86	20.236	123	29.091	160	37.946	197	46.801	234	55.655
13	2.766	50	11.621	87	20.476	124	29.330	161	38.185	198	47.040	235	55.895
14	3.005	51	11.860	88	20.715	125	29.570	162	38.425	199	47.279	236	56.134
15	3.245	52	12.099	89	20.954	126	29.809	163	38.664	200	47.519	237	56.373
16	3.484	53	12.339	90	21.194	127	30.048	164	38.903	201	47.758	238	56.613
17	3.723	54	12.578	91	21.433	128	30.288	165	39.142	202	47.997	239	56.852
18	3.963	55	12.817	92	21.672	129	30.527	166	39.382	203	48.237	240	57.091
19	4.202	56	13.057	93	21.912	130	30.766	167	39.621	204	48.476	241	57.331
20	4.441	57	13.296	94	22.151	131	31.006	168	39.860	205	48.715	242	57.570
21	4.681	58	13.535	95	22.390	132	31.245	169	40.100	206	48.955	243	57.809
22	4.920	59	13.775	96	22.629	133	31.484	170	40.339	207	49.194	244	58.049
23	5.159	60	14.014	97	22.869	134	31.724	171	40.578	208	49.433	245	58.288
24	5.399	61	14.253	98	23.108	135	31.963	172	40.818	209	49.673	246	58.527
25	5.638	62	14.493	99	23.347	136	32.202	173	41.057	210	49.912	247	58.767
26	5.877	63	14.732	100	23.587	137	32.442	174	41 296	211	50.151	248	59.006
27	6.116	64	14.971	101	23.826	138	32.681	175	41.536	212	50.390	249	59.245
28	6.356	65	15.211	102	24.065	139	32.920	176	41.775	213	50.630	250	59.485
29	6.595	66	15.450	103	24.305	140	33.160	177	42.014	214	50.869	251	59.724
30	6.834	67	15.689	104	24.544	141	33.399	178	42.254	215	51.108	252	59.963
31	7.074	68	15.929	105	24.783	142	33.638	179	42.493	216	51.348	253	60.203
32	7.313	69	16.168	106	25.023	143	33.877	180	42.732	217	51.587	254	60.442
33	7.552	70	16.407	107	25.262	144	34.117	181	42.972	218	51.826		
34	7.792	71	16.647	108	25.501	145	34.356	182	43.211	219	52.066		
35	8.031	72	16 886	109	25.741	146	34.595	183	43.450	220	52.305		
36	8.270	73	17.125	110	25.980	147	34.835	184	43.690	221	52.544		
37	8.510	74	17.364	111	26.219	148	35.074	185	43.929	222	52.784		

09/27/71

4 INSTALLATION DATE APRIL 29,1969

TEMP GLYCOL EVAP OUTLET STEAM

CAL RANGE 20.3399 TO 94.6837

SC-113

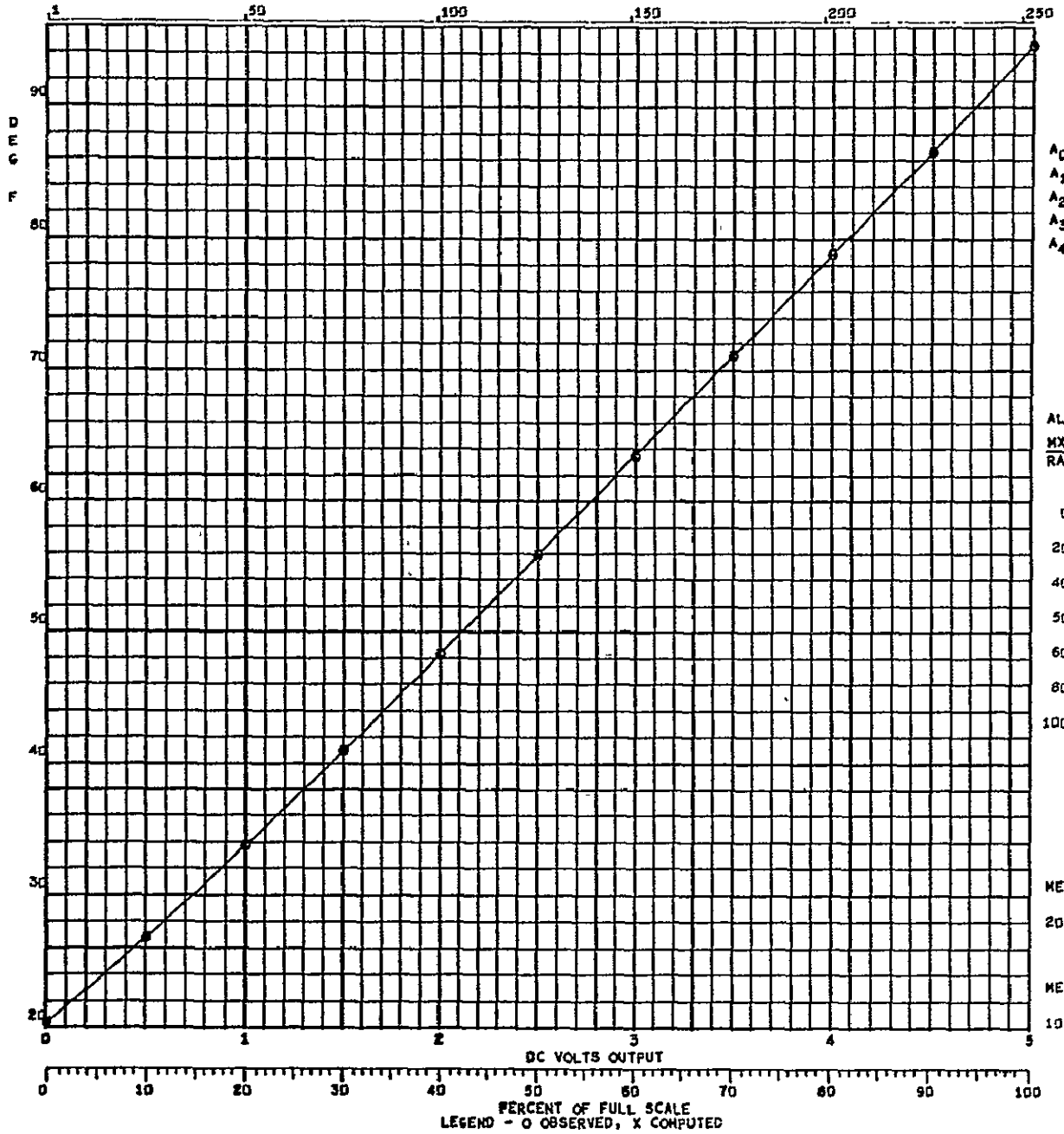
HARDWARE CALIB. NO. SERIAL NO.

76449 01 004000088128

76558 01 004000028358

00

#21515



EQUATION COEFFICIENTS

A_0= 2.034 E 01

A_1= 1.224 E 01

A_2= 1.363 E 00

A_3= -2.865 E-01

A_4= 2.381 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 2.034E 01

20% = 3.368E 01

40% = 4.636E 01

50% = 5.591E 01

60% = 6.352E 01

80% = 7.887E 01

100% = 9.468E 01

MEASUREMENT NO.

200CF0017T01

MEAS LOADING NO.

1045052 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP GLYCOL EVAP OUTLET STEAM

MEASUREMENT NO. 200CF0017T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000088128
SIGNAL CONDITIONER SERIAL NO. 004000028358
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/29/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	20.340	38	29.915	75	40.370	112	51.279	149	62.377	186	73.565	223	84.905
2	20.582	39	30.188	76	40.660	113	51.577	150	62.678	187	73.869	224	85.216
3	20.826	40	30.462	77	40.951	114	51.875	151	62.980	188	74.173	225	85.526
4	21.070	41	30.736	78	41.242	115	52.174	152	63.281	189	74.477	226	85.837
5	21.316	42	31.012	79	41.534	116	52.473	153	63.583	190	74.781	227	86.148
6	21.563	43	31.287	80	41.825	117	52.771	154	63.884	191	75.085	228	86.460
7	21.810	44	31.564	81	42.117	118	53.070	155	64.186	192	75.390	229	86.772
8	22.059	45	31.840	82	42.409	119	53.369	156	64.487	193	75.694	230	87.084
9	22.308	46	32.118	83	42.702	120	53.668	157	64.789	194	75.999	231	87.396
10	22.559	47	32.396	84	42.995	121	53.967	158	65.091	195	76.304	232	87.709
11	22.810	48	32.674	85	43.288	122	54.267	159	65.392	196	76.608	233	88.022
12	23.063	49	32.953	86	43.581	123	54.566	160	65.694	197	76.913	234	88.335
13	23.316	50	33.233	87	43.874	124	54.866	161	65.996	198	77.219	235	88.649
14	23.570	51	33.513	88	44.168	125	55.165	162	66.298	199	77.524	236	88.963
15	23.825	52	33.794	89	44.462	126	55.465	163	66.600	200	77.829	237	89.277
16	24.081	53	34.075	90	44.756	127	55.765	164	66.902	201	78.135	238	89.592
17	24.338	54	34.357	91	45.051	128	56.064	165	67.204	202	78.441	239	89.907
18	24.596	55	34.639	92	45.346	129	56.364	166	67.506	203	78.747	240	90.223
19	24.855	56	34.921	93	45.640	130	56.664	167	67.809	204	79.053	241	90.539
20	25.114	57	35.204	94	45.936	131	56.964	168	68.111	205	79.359	242	90.855
21	25.374	58	35.488	95	46.231	132	57.265	169	68.413	206	79.665	243	91.172
22	25.635	59	35.772	96	46.526	133	57.565	170	68.716	207	79.972	244	91.489
23	25.897	60	36.056	97	46.822	134	57.865	171	69.018	208	80.279	245	91.806
24	26.160	61	36.341	98	47.118	135	58.165	172	69.321	209	80.586	246	92.124
25	26.423	62	36.626	99	47.414	136	58.466	173	69.623	210	80.893	247	92.443
26	26.688	63	36.912	100	47.711	137	58.766	174	69.926	211	81.200	248	92.761
27	26.953	64	37.198	101	48.007	138	59.067	175	70.229	212	81.508	249	93.081
28	27.218	65	37.485	102	48.304	139	59.368	176	70.532	213	81.815	250	93.400
29	27.485	66	37.771	103	48.600	140	59.668	177	70.835	214	82.123	251	93.720
30	27.752	67	38.059	104	48.897	141	59.969	178	71.138	215	82.431	252	94.041
31	28.020	68	38.346	105	49.195	142	60.270	179	71.441	216	82.740	253	94.362
32	28.289	69	38.634	106	49.492	143	60.571	180	71.744	217	83.048	254	94.684
33	28.558	70	38.923	107	49.789	144	60.872	181	72.047	218	83.357		
34	28.828	71	39.212	108	50.087	145	61.173	182	72.351	219	83.666		
35	29.099	72	39.501	109	50.385	146	61.474	183	72.654	220	83.976		
36	29.370	73	39.790	110	50.683	147	61.775	184	72.958	221	84.285		
37	29.642	74	40.080	111	50.981	148	62.076	185	73.261	222	84.595		

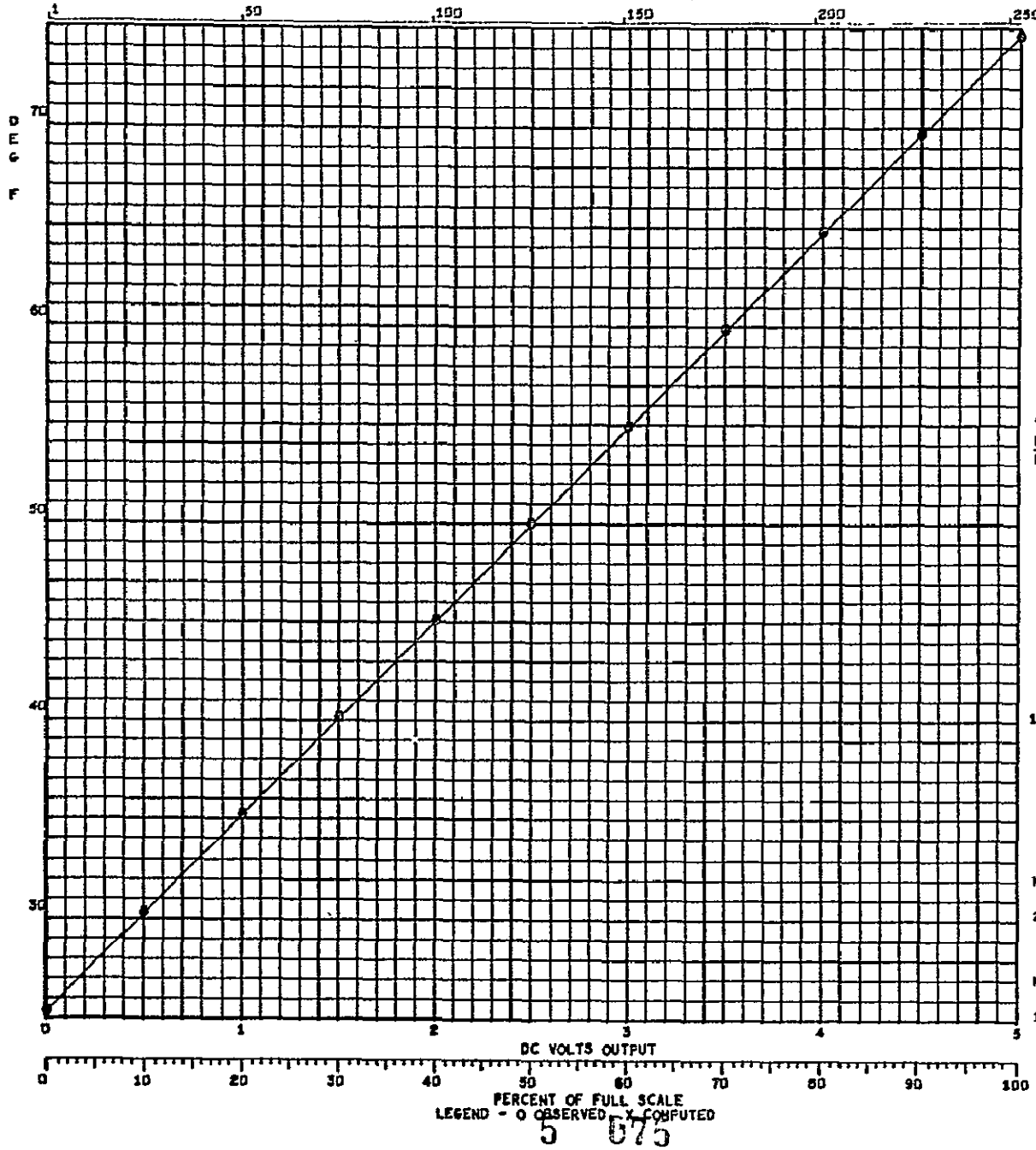
09/27/71
1 INSTALLATION DATE AUG. 19,1969
TEMP GLY EVAP OUTLET LIQUID
CAL RANGE 25.3785 TO 74.6548

SC-113

HARDWARE CALIB. NO.
77486 01
77487 01
00

SERIAL NO.
004000118187
004000118392

=21515



EQUATION COEFFICIENTS

A_0= 2.538 E 01
A_1= 9.855 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = 2.538E 01
20% = 3.523E 01
40% = 4.509E 01
50% = 5.002E 01
60% = 5.494E 01
80% = 6.480E 01
100% = 7.465E 01

MEASUREMENT NO.
200CF0018T01

MEAS LOADING NO.
1004116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP GLY EVAP OUTLET LIQUID

MEASUREMENT NO. 200CF0018T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000118187
SIGNAL CONDITIONER SERIAL NO. 004000118392
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	25.379	38	32.585	75	39.791	112	46.998	149	54.204	186	61.411	223	68.617
2	25.573	39	32.780	76	39.986	113	47.193	150	54.399	187	61.605	224	68.812
3	25.768	40	32.974	77	40.181	114	47.387	151	54.594	188	61.800	225	69 007
4	25.963	41	33.169	78	40.376	115	47.582	152	54.788	189	61.995	226	69.201
5	26.158	42	33.364	79	40.570	116	47.777	153	54.983	190	62.190	227	69.396
6	26.352	43	33.559	80	40.765	117	47.972	154	55.178	191	62.384	228	69.591
7	26.547	44	33.754	81	40.960	118	48.166	155	55.373	192	62.579	229	69.786
8	26.742	45	33.948	82	41.155	119	48.361	156	55.568	193	62.774	230	69.980
9	26.937	46	34.143	83	41.350	120	48.556	157	55.762	194	62.969	231	70.175
10	27.131	47	34.338	84	41.544	121	48.751	158	55.957	195	63.164	232	70.370
11	27.326	48	34.533	85	41.739	122	48.945	159	56.152	196	63.358	233	70.565
12	27.521	49	34.727	86	41.934	123	49.140	160	56.347	197	63.553	234	70.759
13	27.716	50	34.922	87	42.129	124	49.335	161	56.541	198	63.748	235	70.954
14	27.911	51	35.117	88	42.323	125	49.530	162	56.736	199	63.943	236	71.149
15	28.105	52	35.312	89	42.518	126	49.725	163	56.931	200	64.137	237	71.344
16	28.300	53	35.506	90	42.713	127	49.919	164	57.126	201	64.332	238	71.539
17	28.495	54	35.701	91	42.908	128	50.114	165	57.320	202	64.527	239	71.733
18	28.690	55	35.896	92	43.102	129	50.309	166	57.515	203	64.722	240	71.928
19	28.884	56	36.091	93	43.297	130	50.504	167	57.710	204	64.916	241	72.123
20	29.079	57	36.286	94	43.492	131	50.698	168	57.905	205	65.111	242	72.318
21	29.274	58	36.480	95	43.687	132	50.893	169	58.100	206	65.306	243	72.512
22	29.469	59	36.675	96	43.881	133	51.088	170	58.294	207	65.501	244	72.707
23	29.663	60	36.870	97	44.076	134	51.283	171	58.489	208	65.695	245	72.902
24	29.858	61	37.065	98	44.271	135	51.477	172	58.684	209	65.890	246	73.097
25	30.053	62	37.259	99	44.466	136	51.672	173	58.879	210	66.085	247	73.291
26	30.248	63	37.454	100	44.661	137	51.867	174	59.073	211	66.280	248	73.486
27	30.443	64	37.649	101	44.855	138	52.062	175	59.268	212	66.475	249	73.681
28	30.637	65	37.844	102	45.050	139	52.257	176	59.463	213	66.669	250	73.876
29	30.832	66	38.038	103	45.245	140	52.451	177	59.658	214	66.864	251	74.071
30	31.027	67	38.233	104	45.440	141	52.646	178	59.852	215	67.059	252	74.265
31	31.222	68	38.428	105	45.634	142	52.841	179	60.047	216	67.254	253	74.460
32	31.416	69	38.623	106	45.829	143	53.036	180	60.242	217	67.448	254	74.655
33	31.611	70	38.818	107	46.024	144	53.230	181	60.437	218	67.643		
34	31.806	71	39.012	108	46.219	145	53.425	182	60.632	219	67.838		
35	32.001	72	39.207	109	46.413	146	53.620	183	60.826	220	68.033		
36	32.195	73	39.402	110	46.608	147	53.815	184	61.021	221	68.227		
37	32.390	74	39.597	111	46.803	148	54.009	185	61.216	222	68.422		

06/29/71
5 . 1

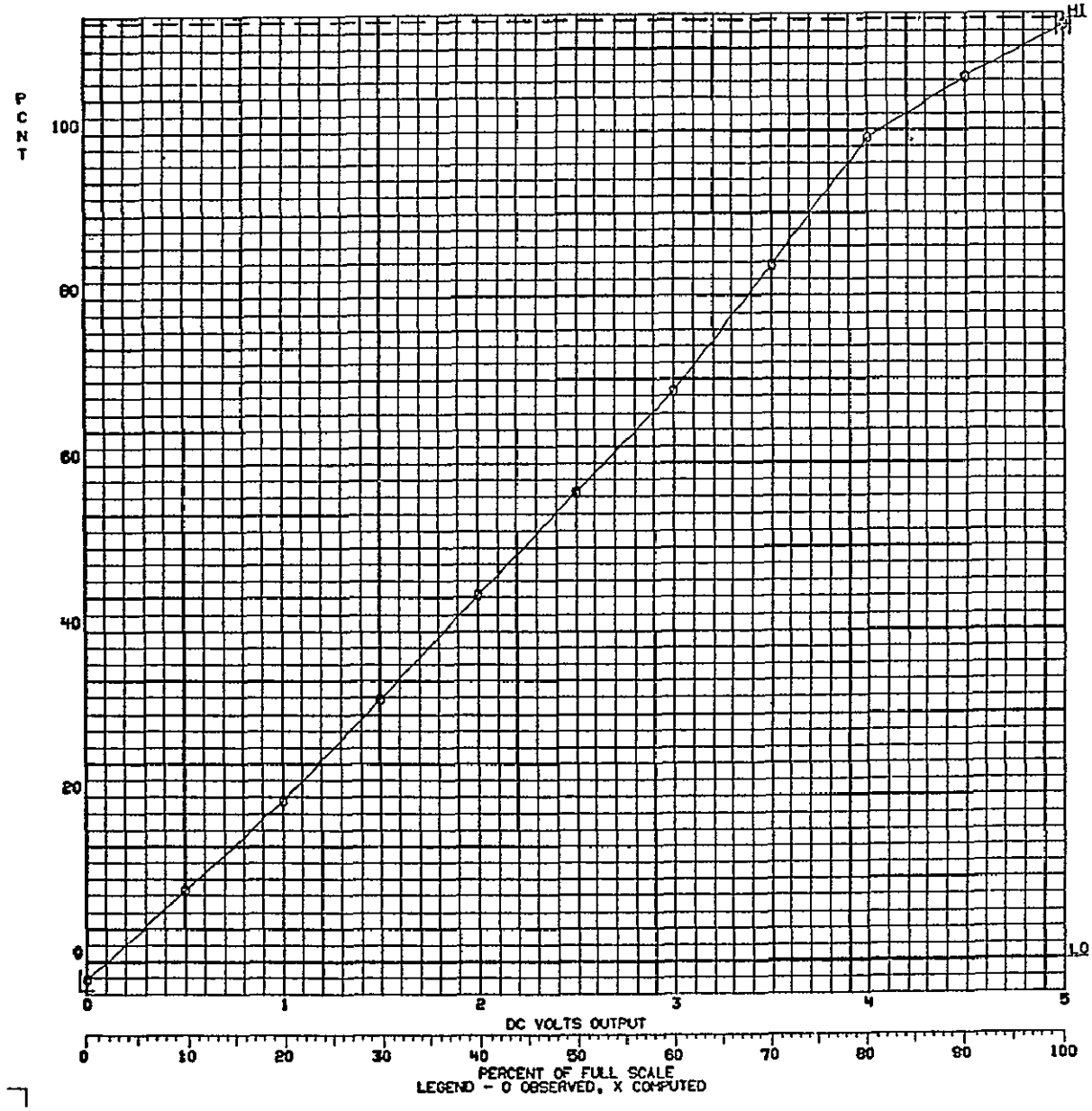
SC-113

QUANTITY GLYCOL ACCUM
INSTALLATION DATE SEP. 18,1970

HARDWARE CALIB NO	SERIAL NO
54840- 1	004000108122
54839- 1	004000050062

0459-77-02
0000 0003

RANGE
0 0
TO
113 3



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C F00190- 3-2

*LOADING NO.
1101044 12

MINIMUM
LOADING NO.
1001068 12

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 06/29/71

MEASUREMENT C F0019 Q - 3. 2.* CALIBRATED 9/18/70

HARDWARE NUMBERS 54840- 1. VS. 54839- 1.

CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1*	-2.2341	38	13.6522	75	30.8791	112	49.0262	149	66.7532	186	88.4131	223	104.6862
2*	-1.8047	39	14.0816	76	31.3658	113	49.5065	150	67.2315	187	89.0225	224	104.9755
3*	-1.3754	40	14.5109	77	31.8532	114	49.9868	151	67.7098	188	89.6320	225	105.2647
4*	-0.9460	41	14.9403	78	32.3479	115	50.4670	152	68.1880	189	90.2415	226	105.5539
5*	-0.5167	42	15.3696	79	32.8426	116	50.9473	153	68.6895	190	90.8509	227	105.8431
6*	-0.0873	43	15.7990	80	33.3373	117	51.4275	154	69.2834	191	91.4604	228	106.1323
7	0.3421	44	16.2284	81	33.8320	118	51.9078	155	69.8774	192	92.0699	229	106.4089
8	0.7714	45	16.6577	82	34.3267	119	52.3880	156	70.4714	193	92.6794	230	106.6563
9	1.2008	46	17.0871	83	34.8214	120	52.8683	157	71.0654	194	93.2888	231	106.9036
10	1.6301	47	17.5164	84	35.3161	121	53.3486	158	71.6593	195	93.8983	232	107.1510
11	2.0595	48	17.9458	85	35.8108	122	53.8288	159	72.2533	196	94.5078	233	107.3983
12	2.4889	49	18.3752	86	36.3055	123	54.3091	160	72.8473	197	95.1173	234	107.6457
13	2.9182	50	18.8045	87	36.8002	124	54.7893	161	73.4413	198	95.7267	235	107.8930
14	3.3476	51	19.2339	88	37.2949	125	55.2696	162	74.0352	199	96.3362	236	108.1404
15	3.7769	52	19.6862	89	37.7896	126	55.7499	163	74.6292	200	96.9457	237	108.3877
16	4.2063	53	20.1728	90	38.2843	127	56.2301	164	75.2232	201	97.5551	238	108.6351
17	4.6357	54	20.6595	91	38.7790	128	56.7094	165	75.8172	202	98.1646	239	108.8824
18	5.0650	55	21.1461	92	39.2737	129	57.1877	166	76.4111	203	98.7741	240	109.1298
19	5.4944	56	21.6328	93	39.7684	130	57.6659	167	77.0051	204	99.1914	241	109.3771
20	5.9237	57	22.1194	94	40.2631	131	58.1442	168	77.5991	205	99.4806	242	109.6245
21	6.3531	58	22.6061	95	40.7578	132	58.6225	169	78.1931	206	99.7698	243	109.8718
22	6.7825	59	23.0927	96	41.2525	133	59.1008	170	78.7870	207	100.0590	244	110.1192
23	7.2118	60	23.5794	97	41.7472	134	59.5791	171	79.3810	208	100.3482	245	110.3665
24	7.6412	61	24.0660	98	42.2419	135	60.0573	172	79.9750	209	100.6374	246	110.6139
25	8.0705	62	24.5527	99	42.7366	136	60.5356	173	80.5690	210	100.9266	247	110.8612
26	8.4999	63	25.0393	100	43.2313	137	61.0139	174	81.1629	211	101.2158	248	111.1086
27	8.9293	64	25.5260	101	43.7261	138	61.4922	175	81.7569	212	101.5050	249	111.3559
28	9.3586	65	26.0126	102	44.2208	139	61.9704	176	82.3509	213	101.7942	250	111.6033
29	9.7880	66	26.4993	103	44.7039	140	62.4487	177	82.9449	214	102.0834	251	111.8506
30	10.2173	67	26.9859	104	45.1842	141	62.9270	178	83.5388	215	102.3726	252	112.0980
31	10.6467	68	27.4726	105	45.6644	142	63.4053	179	84.1468	216	102.6618	253	112.3453
32	11.0761	69	27.9592	106	46.1447	143	63.8835	180	84.7562	217	102.9510	254U	112.5927
33	11.5054	70	28.4459	107	46.6249	144	64.3618	181	85.3657	218	103.2402		
34	11.9348	71	28.9325	108	47.1052	145	64.8401	182	85.9752	219	103.5294		
35	12.3641	72	29.4192	109	47.5855	146	65.3184	183	86.5846	220	103.8186		
36	12.7935	73	29.9058	110	48.0657	147	65.7967	184	87.1941	221	104.1078		
37	13.2229	74	30.3925	111	48.5460	148	66.2749	185	87.8036	222	104.3970		

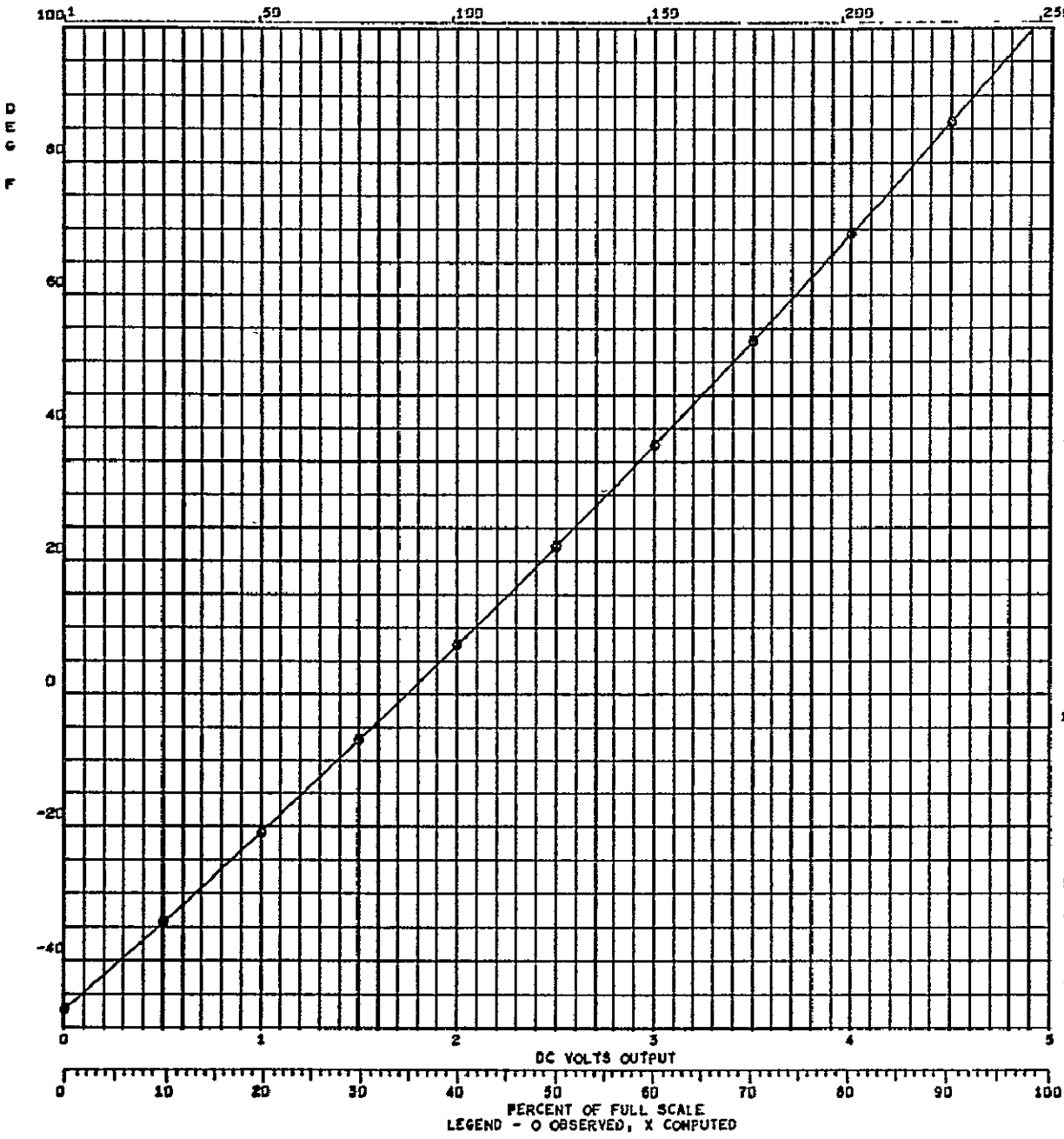
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.) (U --- CURVE UNDEFINED.)

09/27/71
4 INSTALLATION DATE AUG. 19,1969
TEMP SPACE RADIATOR OUTLET
CAL RANGE -47.3240 TO 103.213

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76719 01	004000088141
77488 01	004000116394
00	

=21515



EQUATION COEFFICIENTS

A_0= -4.732 E 01
A_1= 2.568 E 01
A_2= 8.224 E-01
A_3= 1.417 E-02
A_4= -3.207 E-04

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -4.732E 01
20% = -2.081E 01
40% = 7.436E 00
50% = 2.223E 01
60% = 3.748E 01
80% = 6.938E 01
100% = 1.032E 02

MEASUREMENT NO.
200GF0020T01

MEAS LOADING NO.
1005116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SPACE RADIATOR OUTLET

MEASUREMENT NO. 200CF0020T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000088141
SIGNAL CONDITIONER SERIAL NO. 004000118394
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

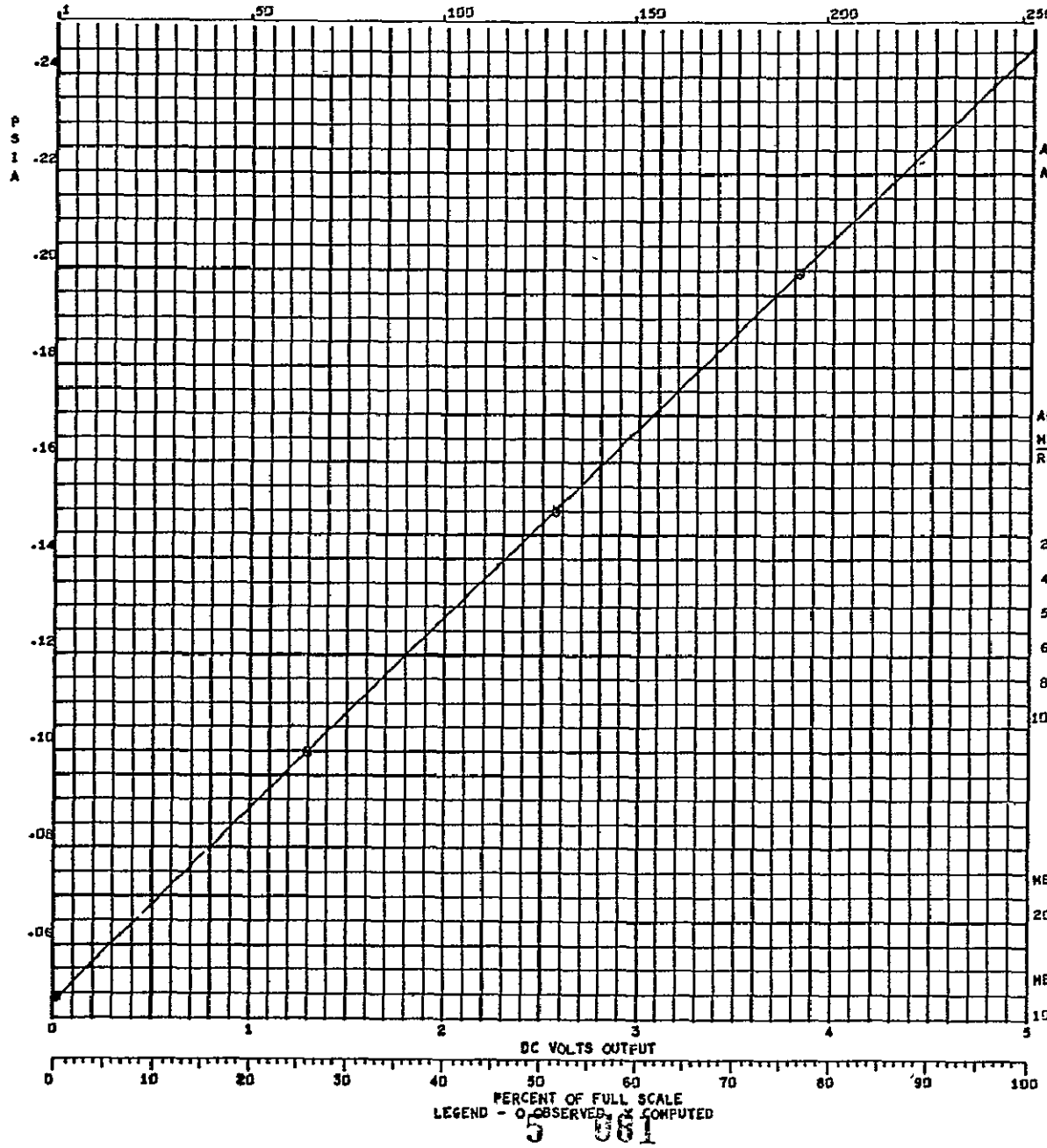
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-47.324	38	-28.100	75	-7.965	112	13.112	149	35.158	186	58.198	223	82.257
2	-46.816	39	-27.568	76	-7.408	113	13.695	150	35.767	187	58.835	224	82.921
3	-46.308	40	-27.035	77	-6.853	114	14.279	151	36.378	188	59.472	225	83.587
4	-45.798	41	-26.502	78	-6.291	115	14.863	152	36.989	189	60.111	226	84.253
5	-45.289	42	-25.968	79	-5.732	116	15.448	153	37.600	190	60.750	227	84.920
6	-44.778	43	-25.43 3	80	-5.172	117	16.034	154	38.213	191	61.389	228	85.587
7	-44.267	44	-24.898	81	-4.612	118	16.620	155	38.826	192	62.030	229	86.255
8	-43.755	45	-24.361	82	-4.050	119	17.208	156	39.440	193	62.671	230	86.925
9	-43.243	46	-23.825	83	-3.488	120	17.796	157	40.054	194	63.313	231	87.594
10	-42.730	47	-23.287	84	-2.926	121	18.384	158	40.670	195	63.956	232	88.265
11	-42.216	48	-22.749	85	-2.362	122	18.974	159	41.286	196	64.599	233	88.937
12	-41.702	49	-22.210	86	-1.798	123	19.564	160	41.903	197	65.243	234	89.609
13	-41.187	50	-21.671	87	-1.234	124	20.155	161	42.520	198	65.888	235	90.282
14	-40.672	51	-21.131	88	-0.668	125	20.746	162	43.139	199	66.534	236	90.955
15	-40.155	52	-20.590	89	-0.102	126	21.338	163	43.758	200	67.181	237	91.630
16	-39.638	53	-20.049	90	0.465	127	21.931	164	44.377	201	67.828	238	92.305
17	-39.121	54	-19.507	91	1.032	128	22.525	165	44.998	202	68.476	239	92.981
18	-38.603	55	-18.964	92	1.601	129	23.119	166	45.619	203	69.124	240	93.658
19	-38.084	56	-18.420	93	2.169	130	23.714	167	46.241	204	69.774	241	94.335
20	-37.564	57	-17.876	94	2.739	131	24.310	168	46.864	205	70.424	242	95.014
21	-37.044	58	-17.331	95	3.309	132	24.907	169	47.487	206	71.075	243	95.693
22	-36.523	59	-16.786	96	3.880	133	25.504	170	48.111	207	71.727	244	96.373
23	-36.002	60	-16 239	97	4.452	134	26.102	171	48.736	208	72.379	245	97.053
24	-35.479	61	-15.693	98	5.025	135	26.701	172	49.362	209	73.032	246	97.734
25	-34.957	62	-15.145	99	5.598	136	27.300	173	49.988	210	73.686	247	98.417
26	-34.433	63	-14.597	100	6.171	137	27.900	174	50.615	211	74.341	248	99.099
27	-33.909	64	-14.048	101	6.746	138	28.501	175	51.243	212	74.997	249	99.783
28	-33.384	65	-13.498	102	7.321	139	29.102	176	51.872	213	75.653	250	100.468
29	-32.859	66	-12.948	103	7.897	140	29.705	177	52.501	214	76.310	251	101.153
30	-32.333	67	-12.397	104	8.474	141	30.308	178	53.131	215	76.968	252	101.839
31	-31.806	68	-11.845	105	9.051	142	30.911	179	53.762	216	77.626	253	102.526
32	-31.279	69	-11.293	106	9.629	143	31.516	180	54.393	217	78.285	254	103.213
33	-30.750	70	-10.740	107	10.208	144	32.121	181	55.026	218	78.945		
34	-30.222	71	-10.186	108	10.787	145	32.727	182	55.659	219	79.606		
35	-29.692	72	-9.632	109	11.367	146	33.334	183	56.292	220	80.268		
36	-29.162	73	-9.077	110	11.948	147	33.941	184	56.927	221	80.930		
37	-28.631	74	-8.521	111	12.530	148	34.549	185	57.562	222	81.593		

09/27/71
1 INSTALLATION DATE AUG. 19,1969
BACK PRESS GLYCOL EVAPORATOR
CAL RANGE .049100 TO .248116

SC-113

HARDWARE CALIB. NO. 77489 01 00 00
SERIAL NO. 004000050022

=21515



EQUATION COEFFICIENTS

A_0= 4.865 E-02
A_1= 3.951 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% = 4.865E-02
20% = 8.817E-02
40% = 1.277E-01
50% = 1.474E-01
60% = 1.672E-01
80% = 2.067E-01
100% = 2.462E-01

MEASUREMENT NO.
200CF0034F01

MEAS LOADING NO.
1992052 12 20

5 061

****** CALIBRATION-TABLE-OF 8-BIT-COUNTS-VS-ENGINEERING-UNITS-******

BACK PRESS GLYCOL EVAPORATOR

MEASUREMENT NO. 200CF0034P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 904000050022
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.049	38	0.078	75	0.106	112	0.135	149	0.164	186	0.193	223	0.222
2	0.049	39	0.078	76	0.107	113	0.136	150	0.165	187	0.194	224	0 223
3	0.050	40	0.079	77	0.108	114	0.137	151	0.166	188	0.195	225	0.224
4	0.051	41	0.080	78	0.109	115	0.138	152	0.167	189	0.195	226	0.224
5	0.052	42	0.081	79	0.110	116	0.138	153	0.167	190	0.196	227	0 225
6	0.053	43	0.081	80	0.110	117	0.139	154	0.168	191	0.197	228	0.226
7	0.053	44	0.082	81	0.111	118	0.140	155	0.169	192	0.198	229	0.227
8	0.054	45	0.083	82	0.112	119	0.141	156	0.170	193	0.199	230	0.227
9	0.055	46	0.084	83	0.113	120	0.142	157	0.170	194	0.199	231	0.228
10	0.056	47	0.085	84	0.113	121	0.142	158	0.171	195	0.200	232	0.229
11	0.056	48	0.085	85	0.114	122	0.143	159	0.172	196	0.201	233	0.230
12	0.057	49	0.086	86	0.115	123	0.144	160	0.173	197	0.202	234	0 231
13	0.058	50	0.087	87	0.116	124	0.145	161	0.174	198	0.202	235	0 231
14	0.059	51	0.088	88	0.117	125	0.145	162	0.174	199	0.203	236	0.232
15	0.060	52	0.088	89	0.117	126	0.146	163	0.175	200	0.204	237	0.233
16	0.060	53	0.089	90	0.118	127	0.147	164	0.176	201	0.205	238	0.234
17	0.061	54	0.090	91	0.119	128	0.148	165	0.177	202	0.206	239	0.235
18	0 062	55	0.091	92	0.120	129	0.149	166	0.178	203	0.206	240	0.235
19	0.063	56	0.092	93	0.120	130	0.149	167	0.178	204	0.207	241	0.236
20	0.063	57	0.092	94	0.121	131	0.150	168	0.179	205	0.208	242	0.237
21	0.064	58	0.093	95	0.122	132	0.151	169	0.180	206	0 209	243	0 238
22	0.065	59	0.094	96	0.123	133	0.152	170	0.181	207	0.210	244	0 238
23	0.066	60	0.095	97	0.124	134	0.153	171	0.181	208	0.210	245	0.239
24	0.067	61	0 096	98	0.124	135	0.153	172	0.182	209	0.211	246	0.240
25	0.067	62	0 096	99	0.125	136	0.154	173	0.183	210	0.212	247	0.241
26	0.068	63	0.097	100	0.126	137	0.155	174	0.184	211	0.213	248	0.242
27	0.069	64	0.098	101	0.127	138	0.156	175	0.185	212	0.213	249	0.242
28	0 070	65	0 099	102	0.128	139	0.156	176	0 185	213	0.214	250	0.243
29	0.071	66	0.099	103	0.128	140	0.157	177	0.186	214	0.215	251	0.244
30	0.071	67	0.100	104	0.129	141	0.158	178	0.187	215	0.216	252	0.245
31	0.072	68	0.101	105	0.130	142	0.159	179	0 188	216	0.217	253	0.245
32	0.073	69	0.102	106	0.131	143	0.160	180	0.188	217	0 217	254	0 246
33	0.074	70	0.103	107	0.131	144	0.160	181	0.189	218	0.218		
34	0.074	71	0.103	108	0.132	145	0.161	182	0.190	219	0.219		
35	0.075	72	0.104	109	0.133	146	0.162	183	0.191	220	0.220		
36	0.076	73	0.105	110	0.134	147	0.163	184	0.192	221	0.220		
37	0.077	74	0.106	111	0.135	148	0.163	185	0.192	222	0.221		

12/06/71

INSTALLATION DATE SEPT. 30,1981

FLOW RATE ECB 08

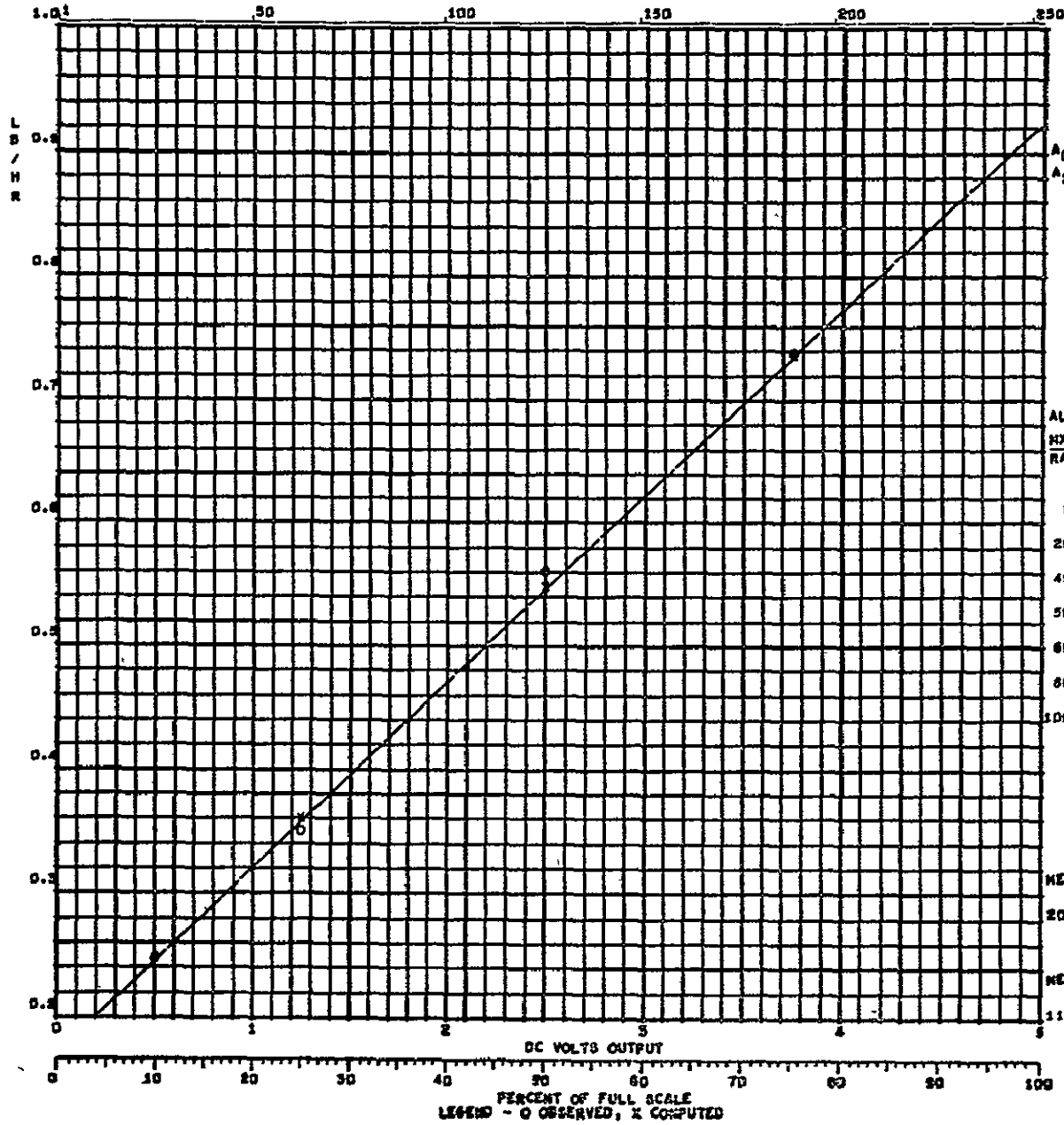
CAL RANGE .247000 TO .978000

SC-113

HARDWARE CALIB. NO. PS907 08 09 09

SERIAL NO. 8048000000039

#11145



EQUATION COEFFICIENTS

A_0= 1.713 E-01

A_1= 1.508 E-01

AL DEV= 0

HX DEV / RANGE = 0

0% = 1.713E-01

20% = 3.221E-01

40% = 4.729E-01

50% = 5.483E-01

60% = 6.237E-01

80% = 7.745E-01

100% = 9.252E-01

MEASUREMENT NO.

200CF0035R03

MEAS LOADING NO.

1101049 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FLOW RATE ECS O2

MEASUREMENT NO. 200CF0035R03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000000039
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/30/81

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	0.171	38	0.282	75	0.392	112	0.502	149	0.612	186	0.723	223	0.833
2	0.174	39	0.285	76	0.395	113	0.505	150	0.615	187	0.726	224	0.836
3	0.177	40	0.287	77	0.398	114	0.508	151	0.618	188	0.729	225	0.839
4	0.180	41	0.290	78	0.401	115	0.511	152	0.621	189	0.732	226	0.842
5	0.183	42	0.293	79	0.404	116	0.514	153	0.624	190	0.735	227	0.845
6	0.186	43	0.296	80	0.407	117	0.517	154	0.627	191	0.737	228	0.848
7	0.189	44	0.299	81	0.410	118	0.520	155	0.630	192	0.740	229	0.851
8	0.192	45	0.302	82	0.413	119	0.523	156	0.633	193	0.743	230	0.854
9	0.195	46	0.305	83	0.416	120	0.526	157	0.636	194	0.746	231	0.857
10	0.198	47	0.308	84	0.419	121	0.529	158	0.639	195	0.749	232	0 860
11	0.201	48	0.311	85	0.422	122	0.532	159	0.642	196	0.752	233	0.863
12	0.204	49	0.314	86	0.425	123	0.535	160	0.645	197	0.755	234	0.866
13	0.207	50	0.317	87	0.428	124	0.538	161	0.648	198	0.758	235	0.869
14	0.210	51	0.320	88	0.431	125	0.541	162	0.651	199	0.761	236	0.872
15	0.213	52	0.323	89	0.434	126	0.544	163	0.654	200	0.764	237	0 875
16	0.216	53	0.326	90	0.437	127	0.547	164	0.657	201	0.767	238	0.878
17	0.219	54	0.329	91	0.439	128	0.550	165	0.660	202	0.770	239	0.881
18	0.222	55	0.332	92	0.442	129	0.553	166	0.663	203	0.773	240	0.884
19	0.225	56	0.335	93	0.445	130	0.556	167	0.666	204	0.776	241	0.887
20	0.228	57	0.338	94	0.448	131	0.559	168	0.669	205	0.779	242	0.889
21	0.231	58	0.341	95	0.451	132	0.562	169	0.672	206	0.782	243	0.892
22	0.234	59	0.344	96	0.454	133	0.565	170	0.675	207	0.785	244	0.895
23	0.237	60	0.347	97	0.457	134	0.568	171	0.678	208	0.788	245	0.898
24	0.240	61	0.350	98	0.460	135	0.571	172	0 681	209	0.791	246	0.901
25	0.243	62	0.353	99	0.463	136	0.574	173	0.684	210	0.794	247	0.904
26	0.246	63	0.356	100	0.466	137	0.577	174	0.687	211	0.797	248	0.907
27	0.249	64	0.359	101	0.469	138	0.580	175	0.690	212	0.800	249	0.910
28	0.252	65	0.362	102	0.472	139	0.583	176	0.693	213	0.803	250	0.913
29	0.255	66	0.365	103	0.475	140	0.586	177	0.696	214	0.806	251	0.916
30	0.258	67	0.368	104	0.478	141	0.588	178	0 699	215	0.809	252	0.919
31	0.261	68	0.371	105	0.481	142	0.591	179	0.702	216	0.812	253	0.922
32	0.264	69	0.374	106	0 484	143	0.594	180	0.705	217	0.815	254	0.925
33	0.267	70	0.377	107	0.487	144	0.597	181	0.708	218	0.818		
34	0.270	71	0.380	108	0.490	145	0.600	182	0.711	219	0.821		
35	0.273	72	0.383	109	0.493	146	0.603	183	0.714	220	0.824		
36	0.276	73	0.386	110	0.496	147	0 606	184	0.717	221	0.827		
37	0.279	74	0.389	111	0.499	148	0.609	185	0.720	222	0.830		

09/27/71

1 INSTALLATION DATE NOV. 6,1968

PRESS OUTLET 02 REG SUPPLY

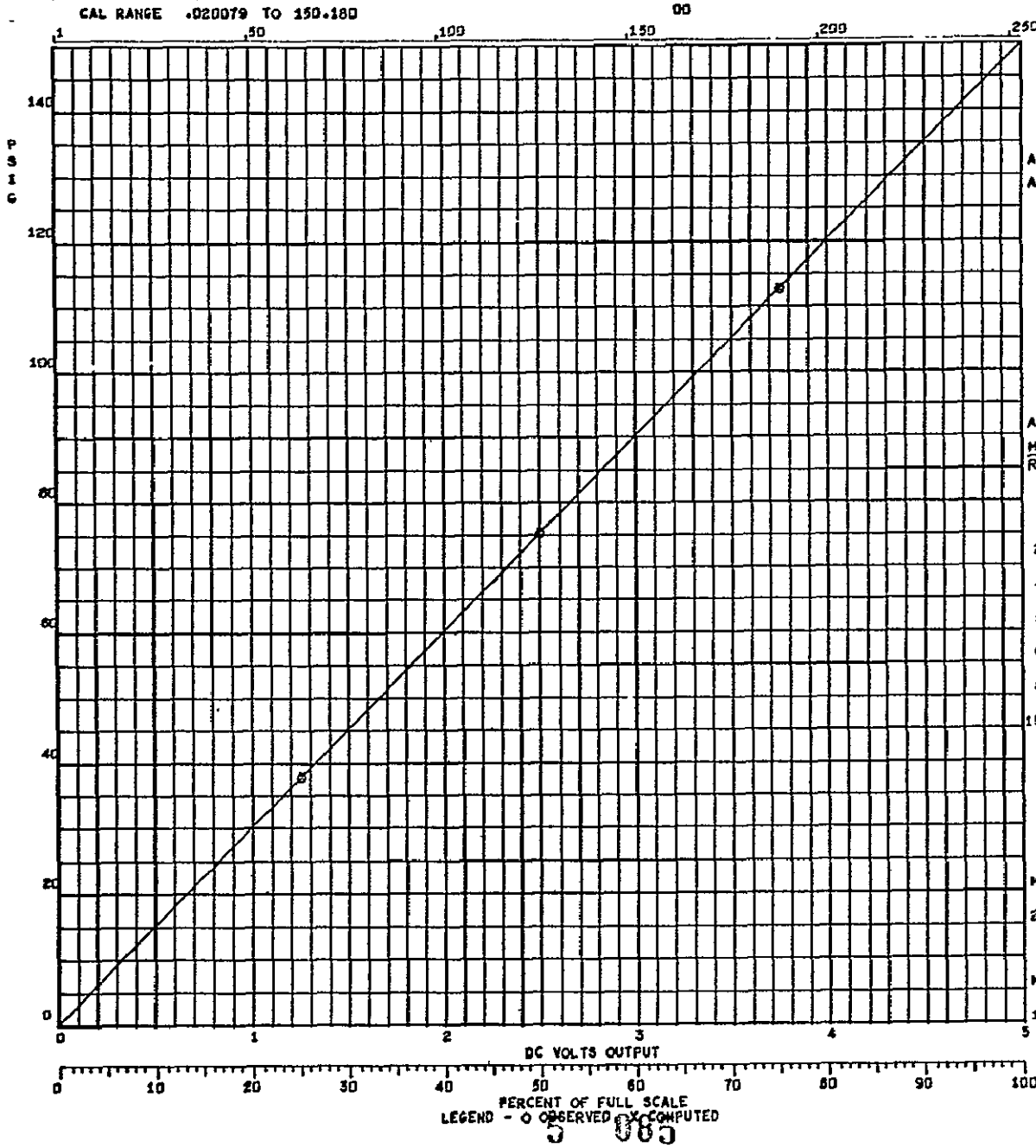
CAL RANGE .020079 TO 150.180

SC-113

HARDWARE CALIB. NO. 62197 01 00 00

SERIAL NO. 004000050031

=21515



EQUATION COEFFICIENTS

A_0= 3.198 E-01

A_1= 2.997 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = 3.198E-01

20% = 3.029E 01

40% = 6.026E 01

50% = 7.525E 01

60% = 9.024E 01

80% = 1.202E 02

100% = 1.502E 02

MEASUREMENT NO.

200CF0036P02

MEAS LOADING NO.

1102073 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS OUTLET GZ REG SUPPLY

MEASUREMENT NO. 200CF0036P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0340000050031
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/06/80

CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG
1	0.320	38	22.236	75	44.152	112	66.069	149	87.985	186	109.901	223	131.818
2	0.912	39	22.828	76	44.745	113	66.661	150	88.577	187	110.494	224	132.410
3	1.504	40	23.421	77	45.337	114	67.253	151	89.170	188	111.086	225	133.002
4	2.097	41	24.013	78	45.929	115	67.846	152	89.762	189	111.678	226	133.595
5	2.689	42	24.605	79	46 522	116	68.438	153	90.354	190	112.271	227	134.187
6	3.281	43	25.198	80	47.114	117	69.030	154	90.947	191	112.863	228	134.779
7	3.874	44	25.790	81	47.706	118	69.623	155	91.539	192	113.455	229	135.372
8	4.466	45	26.382	82	48.299	119	70.215	156	92.131	193	114.048	230	135.964
9	5.058	46	26.975	83	48.891	120	70.807	157	92.724	194	114.640	231	136.556
10	5.651	47	27.567	84	49.483	121	71.400	158	93.316	195	115.232	232	137.149
11	6.243	48	28.159	85	50.076	122	71.992	159	93.908	196	115.825	233	137.741
12	6.835	49	28.752	86	50.668	123	72.584	160	94.501	197	116.417	234	138.333
13	7.428	50	29.344	87	51.260	124	73.177	161	95.093	198	117.009	235	138.926
14	8.020	51	29.936	88	51.853	125	73.769	162	95.685	199	117.602	236	139.518
15	8.612	52	30.529	89	52.445	126	74.361	163	96.278	200	118.194	237	140.110
16	9.205	53	31.121	90	53 037	127	74.954	164	96.870	201	118.786	238	140.703
17	9.797	54	31.713	91	53.630	128	75.546	165	97.462	202	119.379	239	141.295
18	10.389	55	32.306	92	54.222	129	76.138	166	98.055	203	119.971	240	141.887
19	10.982	56	32.898	93	54.814	130	76.731	167	98.647	204	120.563	241	142.480
20	11.574	57	33.490	94	55.407	131	77.323	168	99.239	205	121.156	242	143.072
21	12.166	58	34.083	95	55.999	132	77.915	169	99.832	206	121.748	243	143.664
22	12.759	59	34.675	96	56 591	133	78.508	170	100 424	207	122.340	244	144.257
23	13.351	60	35.267	97	57.184	134	79.100	171	101.016	208	122.933	245	144.849
24	13.943	61	35.860	98	57.776	135	79:692	172	101.609	209	123.525	246	145.441
25	14.536	62	36.452	99	58.368	136	80.285	173	102.201	210	124.117	247	146.034
26	15.128	63	37.044	100	58.961	137	80.877	174	102.793	211	124.710	248	146.626
27	15.720	64	37.637	101	59.553	138	81.469	175	103.386	212	125.302	249	147.218
28	16.313	65	38.229	102	60.145	139	82.062	176	103.978	213	125.894	250	147.811
29	16.905	66	38.821	103	60.738	140	82.654	177	104.570	214	126.487	251	148.403
30	17.497	67	39.414	104	61.330	141	83.246	178	105.163	215	127.079	252	148.995
31	18.090	68	40.006	105	61.922	142	83.839	179	105.755	216	127.671	253	149.588
32	18.682	69	40.598	106	62.515	143	84.431	180	106.347	217	128.264	254	150.180
33	19.274	70	41.191	107	63.107	144	85.023	181	106.940	218	128.856		
34	19.867	71	41.783	108	63.699	145	85.616	182	107.532	219	129.448		
35	20.459	72	42.375	109	64.292	146	86.208	183	108.124	220	130 041		
36	21.051	73	42.968	110	64.884	147	86.800	184	108.717	221	130.633		
37	21.644	74	43.560	111	65.476	148	87.393	185	109.309	222	131.225		

3-19

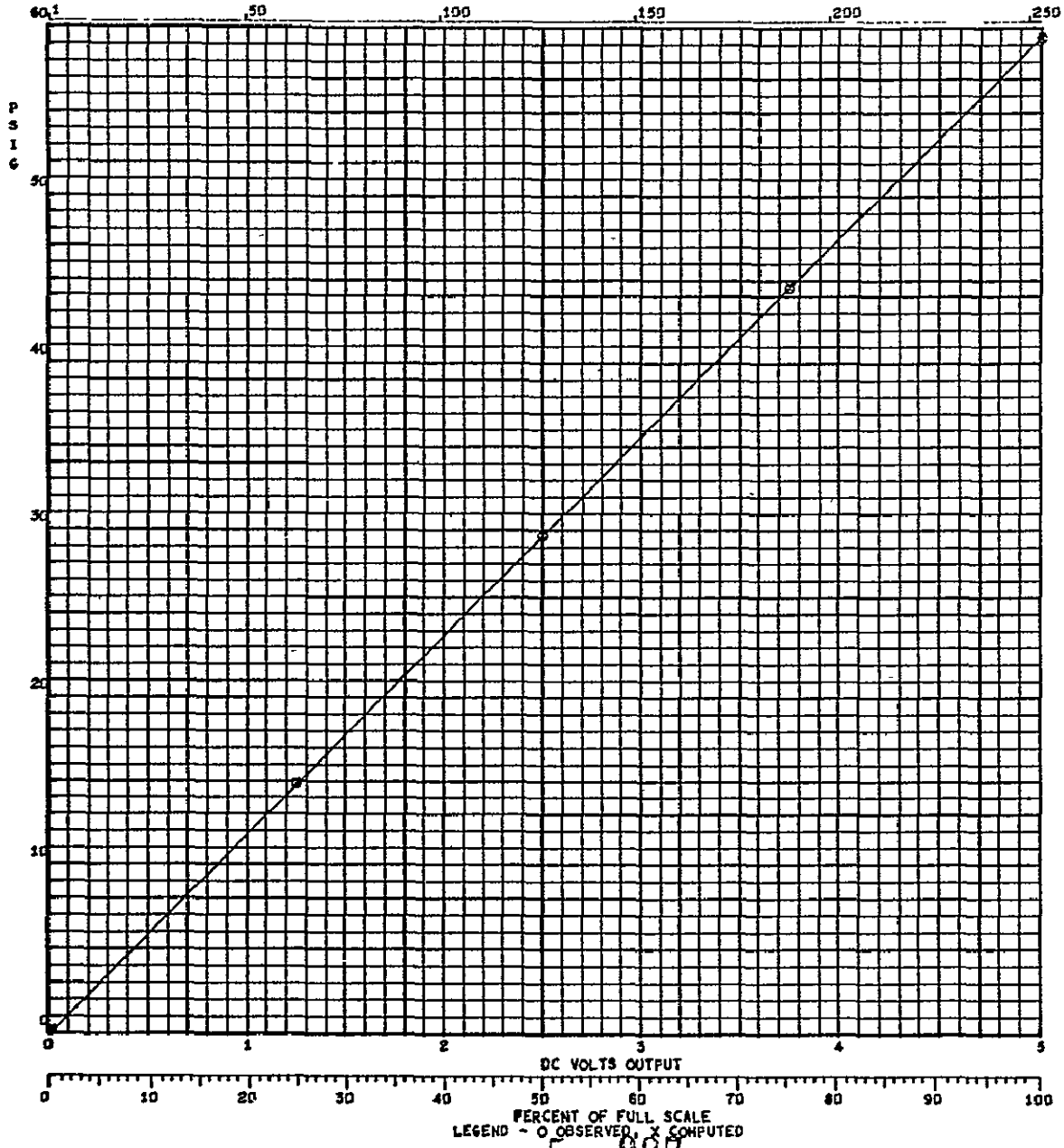
09/27/71
1 INSTALLATION DATE SEPT. 18,1960
PRESS SEC GLYCOL PUMP OUTLET
CAL RANGE -109678 TO 59.4195

SC-113

HARDWARE CALIB. NO. 54841 01 00 00

SERIAL NO. 004000050061

#21515



EQUATION COEFFICIENTS

A_0= -3.697 E-02

A_1= 1.189 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-3.897E-02

20% = 1.185E 01

40% = 2.374E 01

50% = 2.969E 01

60% = 3.564E 01

80% = 4.753E 01

100% = 5.942E 01

MEASUREMENT NO.

200CF0070P03

MEAS LOADING NO.

1105044 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS SEC GLYCOL PUMP OUTLET

MEASUREMENT NO. 209CF0075P03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000050061
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/18/65

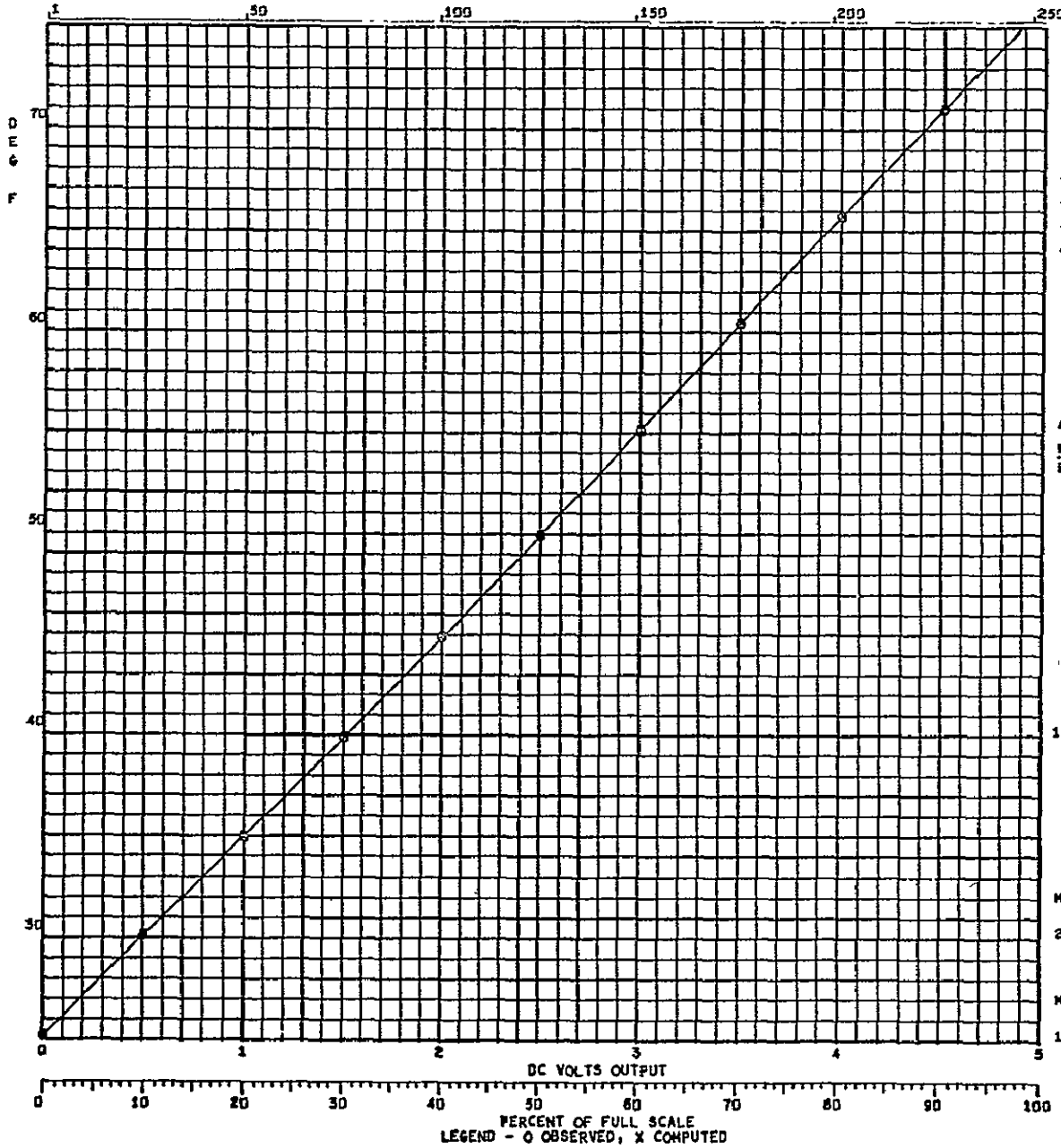
CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG	CNT	PSIG
1	-0.039	38	8.657	75	17.352	112	26.048	149	34.743	186	43.439	223	52.134
2	0.196	39	8.892	76	17.587	113	26.283	150	34.978	187	43 674	224	52.369
3	0.431	40	9.127	77	17.822	114	26.518	151	35.213	188	43.909	225	52 604
4	0.666	41	9.362	78	18 057	115	26.753	152	35.448	189	44.144	226	52.839
5	0.901	42	9.597	79	18 292	116	26.988	153	35.683	190	44.379	227	53.074
6	1.136	43	9.832	80	18.527	117	27 223	154	35.918	191	44.614	228	53.309
7	1.371	44	10.067	81	18.762	118	27.458	155	36.153	192	44.849	229	53.544
8	1.606	45	10 302	82	18 997	119	27.693	156	36.388	193	45.084	230	53.779
9	1.841	46	10.537	83	19.232	120	27.928	157	36.623	194	45.319	231	54.014
10	2.076	47	10.772	84	19.467	121	28.163	158	36.858	195	45.554	232	54.249
11	2.311	48	11.007	85	19.702	122	28.398	159	37.093	196	45.789	233	54.484
12	2.546	49	11.242	86	19 937	123	28.633	160	37.328	197	46.024	234	54.719
13	2.781	50	11.477	87	20.172	124	28.868	161	37.563	198	46.259	235	54.954
14	3.016	51	11.712	88	20.407	125	29.103	162	37.798	199	46.494	236	55.189
15	3.251	52	11.947	89	20.642	126	29.338	163	38.033	200	46 729	237	55.424
16	3.486	53	12.182	90	20.877	127	29.573	164	38.268	201	46.964	238	55.659
17	3.721	54	12.417	91	21.112	128	29.808	165	38.503	202	47.199	239	55 894
18	3.956	55	12.652	92	21.347	129	30.043	166	38.738	203	47.434	240	56.129
19	4.191	56	12.887	93	21.582	130	30.278	167	38.973	204	47.669	241	56.364
20	4.426	57	13.122	94	21.817	131	30.513	168	39.208	205	47.904	242	56.599
21	4.661	58	13.357	95	22 052	132	30.748	169	39 443	206	48.139	243	56.834
22	4.896	59	13.592	96	22.287	133	30.983	170	39.678	207	48.374	244	57.069
23	5.131	60	13.827	97	22.522	134	31.218	171	39.913	208	48.609	245	57.304
24	5.366	61	14.062	98	22.757	135	31.453	172	40.148	209	48.844	246	57.539
25	5.601	62	14.297	99	22.992	136	31 688	173	40.383	210	49.079	247	57.774
26	5.836	63	14.532	100	23.227	137	31.923	174	40.618	211	49.314	248	58.009
27	6.071	64	14.767	101	23.462	138	32.158	175	40.853	212	49.549	249	58.244
28	6.306	65	15.002	102	23.697	139	32.393	176	41.088	213	49.784	250	58.479
29	6.541	66	15.237	103	23.932	140	32.628	177	41.323	214	50.019	251	58.714
30	6.776	67	15.472	104	24.167	141	32.863	178	41.558	215	50.254	252	58.949
31	7.011	68	15.707	105	24.402	142	33.098	179	41.793	216	50.489	253	59.185
32	7.246	69	15.942	106	24.637	143	33.333	180	42 028	217	50.724	254	59.420
33	7.481	70	16.177	107	24.872	144	33.568	181	42.264	218	50.959		
34	7.716	71	16.412	108	25 107	145	33.803	182	42.499	219	51.194		
35	7.951	72	16.647	109	25.343	146	34.038	183	42.734	220	51.429		
36	8.187	73	16.882	110	25.578	147	34.273	184	42.969	221	51.664		
37	8.422	74	17.117	111	25.813	148	34.508	185	43.204	222	51.899		

09/27/71
4 INSTALLATION DATE AUG. 19,1969
TEMP SEC EVAP OUTLET LIQUID
CAL RANGE 25.1677 TO 76.1617

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
77492 01	004000118189
77493 01	004000118395
00	

=21515



EQUATION COEFFICIENTS

A_0= 2.517 E 01
A_1= 9.959 E 00
A_2= -3.096 E-01
A_3= 1.604 E-01
A_4= -1.777 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% = 2.517E 01
20% = 3.496E 01
40% = 4.485E 01
50% = 4.994E 01
60% = 5.515E 01
80% = 6.576E 01
100% = 7.616E 01

MEASUREMENT NO.
200CF0071T01

MEAS LOADING NO.
1104041 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

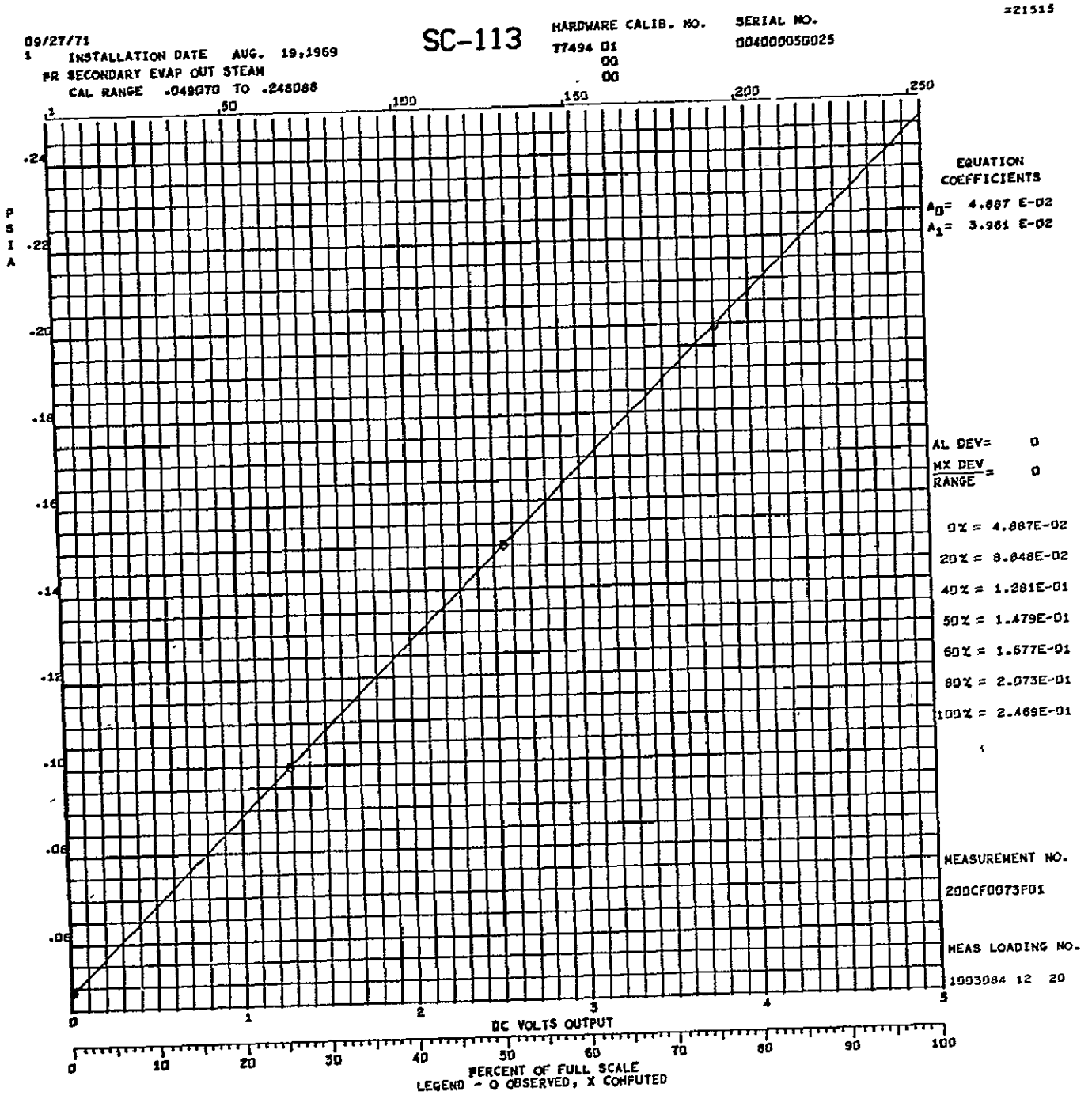
TEMP SEC EVAP OUTLET LIQUID

MEASUREMENT NO. 200CF0071T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0040000118189
SIGNAL CONDITIONER SERIAL NO 0040000118395
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	25.168	38	32 342	75	39.490	112	46.805	149	54.360	186	62.102	223	69 860
2	25.364	39	32.534	76	39 685	113	47.006	150	54.567	187	62.312	224	70.068
3	25.561	40	32 727	77	39 880	114	47.208	151	54.774	188	62.523	225	70.275
4	25.757	41	32.919	78	40 075	115	47.409	152	54.982	189	62.734	226	70.482
5	25.953	42	33.111	79	40.270	116	47.610	153	55.190	190	62.944	227	70.689
6	26.149	43	33.304	80	40.466	117	47 812	154	55.397	191	63.155	228	70 895
7	26.344	44	33.496	81	40.662	118	48.014	155	55.605	192	63.365	229	71.101
8	26.540	45	33 689	82	40.857	119	48.216	156	55.813	193	63.576	230	71.308
9	26.735	46	33.881	83	41.053	120	48 418	157	56.022	194	63.786	231	71.513
10	26.930	47	34.074	84	41.249	121	48.621	158	56.230	195	63.997	232	71.719
11	27.125	48	34.266	85	41.445	122	48.823	159	56.438	196	64.207	233	71.924
12	27.320	49	34.459	86	41.642	123	49.026	160	56.647	197	64.418	234	72.129
13	27.514	50	34.651	87	41.838	124	49.229	161	56.856	198	64.628	235	72.334
14	27.708	51	34.844	88	42.035	125	49.432	162	57.065	199	64.838	236	72.539
15	27.903	52	35.036	89	42 232	126	49.636	163	57.274	200	65.049	237	72.743
16	28 097	53	35.229	90	42.429	127	49.839	164	57.483	201	65.259	238	72.947
17	28.291	54	35 422	91	42 626	128	50.043	165	57.692	202	65.469	239	73.150
18	28.484	55	35.615	92	42.823	129	50.247	166	57.901	203	65.679	240	73.354
19	28.678	56	35.808	93	43.021	130	50.451	167	58.110	204	65.890	241	73.557
20	28.872	57	36.001	94	43.218	131	50.655	168	58.320	205	66.100	242	73.759
21	29.065	58	36.194	95	43.416	132	50.859	169	58.529	206	66.310	243	73.962
22	29.258	59	36.387	96	43.614	133	51.064	170	58.739	207	66.519	244	74.163
23	29.452	60	36.580	97	43.812	134	51.269	171	58.949	208	66.729	245	74.365
24	29.645	61	36.773	98	44.010	135	51.474	172	59.159	209	66.939	246	74.566
25	29.838	62	36.967	99	44.209	136	51.679	173	59.368	210	67.148	247	74.767
26	30.031	63	37.160	100	44.408	137	51 884	174	59.578	211	67.358	248	74.968
27	30.224	64	37.354	101	44 606	138	52.089	175	59.788	212	67.567	249	75.168
28	30.416	65	37.547	102	44.805	139	52.295	176	59.998	213	67.776	250	75.367
29	30.609	66	37.741	103	45.005	140	52.501	177	60 209	214	67.985	251	75.567
30	30.802	67	37.935	104	45 204	141	52.707	178	60.419	215	68.194	252	75.765
31	30.994	68	38.129	105	45.404	142	52.913	179	60.629	216	68.403	253	75.964
32	31.187	69	38.323	106	45.603	143	53.119	180	60.839	217	68.612	254	76.162
33	31.380	70	38.517	107	45.803	144	53.325	181	61.050	218	68.820		
34	31.572	71	38.712	108	46.003	145	53 532	182	61.260	219	69.029		
35	31.765	72	38.906	109	46.204	146	53.739	183	61.470	220	69.237		
36	31.957	73	39.100	110	46 404	147	53.945	184	61.681	221	69 445		
37	32.149	74	39.295	111	46.605	148	54.152	185	61.891	222	69.653		

No calibration curve for Measurement No. CF0072T was available at time of publishing.

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CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FR SECONDARY EVAP OUT STEAM

MEASUREMENT NO. 230CF0073P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 004000050025
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.049	38	0.078	75	0.107	112	0.136	149	0.165	186	0.194	223	0.223
2	0.050	39	0.079	76	0.108	113	0.137	150	0.165	187	0.194	224	0.223
3	0.050	40	0.079	77	0.108	114	0.137	151	0.166	188	0.195	225	0.224
4	0.051	41	0.080	78	0.109	115	0.138	152	0.167	189	0.196	226	0 225
5	0.052	42	0 081	79	0.110	116	0.139	153	0.168	190	0.197	227	0.226
6	0.053	43	0.082	80	0.111	117	0.140	154	0.169	191	0.198	228	0.227
7	0.054	44	0.083	81	0.111	118	0.140	155	0.169	192	0.198	229	0 227
8	0 054	45	0 083	82	0.112	119	0.141	156	0.170	193	0.199	230	0.228
9	0.055	46	0.084	83	0.113	120	0.142	157	0.171	194	0.200	231	0 229
10	0.056	47	0.085	84	0.114	121	0.143	158	0.172	195	0.201	232	0.230
11	0.057	48	0.086	85	0.115	122	0.144	159	0.173	196	0.202	233	0 230
12	0.057	49	0.086	86	0.115	123	0.144	160	0.173	197	0.202	234	0 231
13	0 058	50	0.087	87	0.116	124	0.145	161	0.174	198	0.203	235	0 232
14	0 059	51	0.088	88	0.117	125	0.146	162	0.175	199	0.204	236	0.233
15	0.060	52	0.089	89	0.118	126	0.147	163	0.176	200	0.205	237	0.234
16	0.061	53	0.090	90	0.119	127	0.147	164	0.176	201	0.205	238	0.234
17	0 061	54	0.090	91	0.119	128	0.148	165	0.177	202	0.206	239	0.235
18	0.062	55	0 091	92	0.120	129	0.149	166	0.178	203	0.207	240	0.236
19	0.063	56	0.092	93	0.121	130	0.150	167	0.179	204	0.208	241	0 237
20	0.064	57	0.093	94	0.122	131	0.151	168	0.180	205	0.209	242	0.238
21	0 065	58	0.093	95	0.122	132	0.151	169	0.180	206	0.209	243	0.238
22	0 065	59	0.094	96	0.123	133	0.152	170	0.181	207	0.210	244	0.239
23	0.066	60	0.095	97	0.124	134	0.153	171	0.182	208	0.211	245	0.240
24	0.067	61	0.096	98	0.125	135	0.154	172	0.183	209	0.212	246	0.241
25	0.068	62	0.097	99	0.126	136	0.155	173	0.183	210	0.212	247	0.241
26	0.068	63	0.097	100	0.126	137	0.155	174	0.184	211	0 213	248	0.242
27	0 069	64	0.098	101	0.127	138	0.156	175	0.185	212	0.214	249	0.243
28	0.070	65	0.099	102	0.128	139	0.157	176	0.186	213	0.215	250	0.244
29	0.071	66	0.100	103	0.129	140	0.158	177	0.187	214	0.216	251	0.245
30	0 072	67	0.101	104	0.129	141	0.158	178	0.187	215	0.216	252	0.245
31	0.072	68	0.101	105	0.130	142	0.159	179	0.188	216	0.217	253	0.246
32	0.073	69	0.102	106	0.131	143	0.160	180	0.189	217	0.218	254	0.247
33	0.074	70	0.103	107	0.132	144	0.161	181	0.190	218	0.219		
34	0.075	71	0.104	108	0.133	145	0.162	182	0.191	219	0.220		
35	0.075	72	0.104	109	0.133	146	0.162	183	0.191	220	0.220		
36	0.076	73	0.105	110	0.134	147	0.163	184	0.192	221	0 221		
37	0.077	74	0.106	111	0.135	148	0.164	185	0.193	222	0.222		

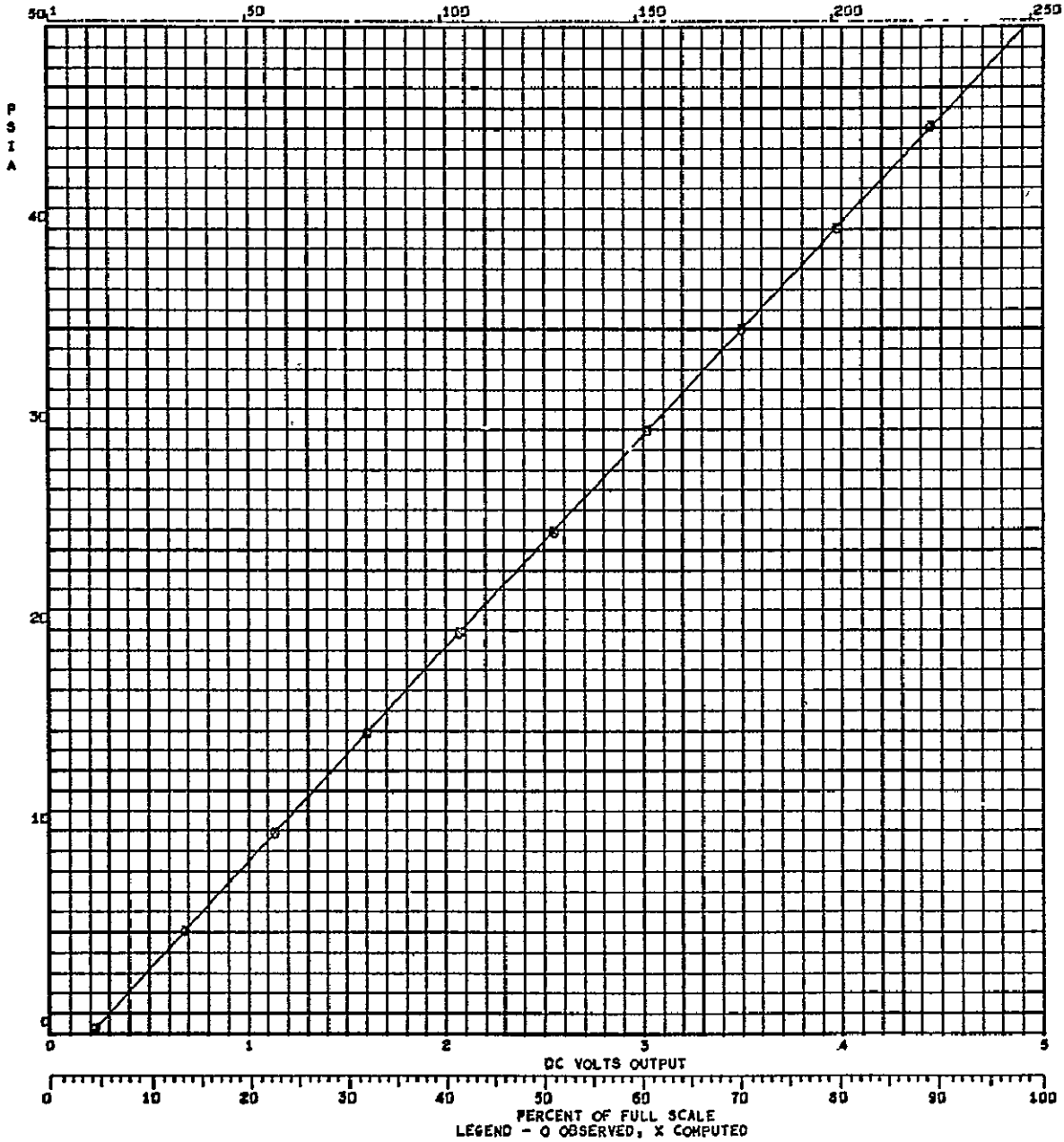
09/27/71
1 INSTALLATION DATE NOV. 4,1960
PRESS H2O AND GLYCOL TANKS
CAL RANGE .238337 TO 50.0466

SC-113

HARDWARE CALIB. NO. 81656 02 00 00

SERIAL NO. 10308903289A

#21515



EQUATION COEFFICIENTS

A_0= -2.153 E 00

A_1= 1.063 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = -2.153E 00

20% = 8.474E 00

40% = 1.910E 01

50% = 2.441E 01

60% = 2.973E 01

80% = 4.035E 01

100% = 5.098E 01

MEASUREMENT NO.

200CF0120P02

MEAS LOADING NO.

1034084 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS H2O AND GLYCOL TANKS

MEASUREMENT NO. 200CF0120P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308903289A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/04/60

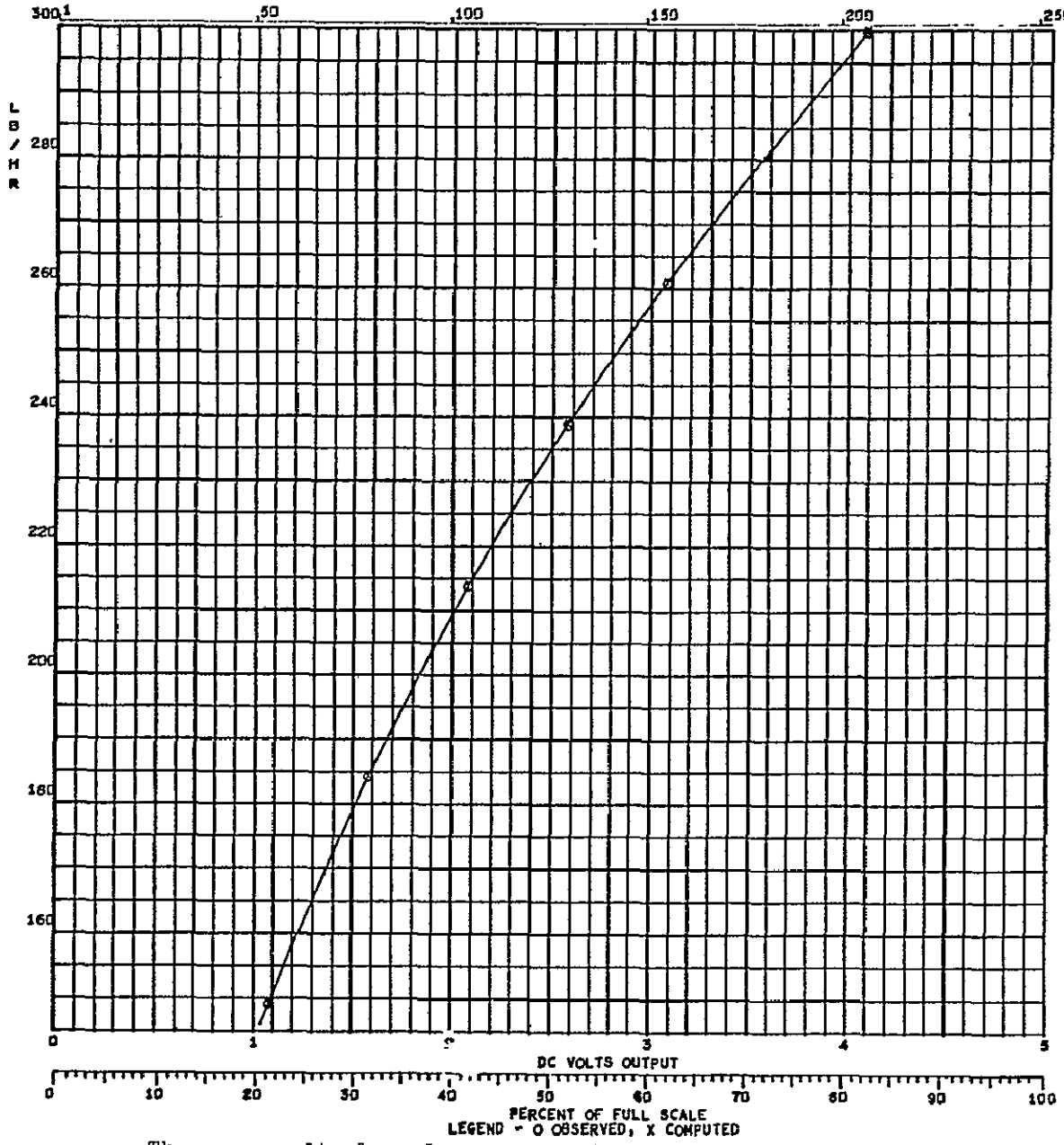
CNT	FSIA	CNT	FSIA	CNT	FSIA	CNT	FSIA	CNT	FSIA	CNT	FSIA	CNT	FSIA
1	-2.153	38	5.618	75	13.389	112	21.159	149	28.930	186	36.701	223	44.471
2	-1.943	39	5.828	76	13.599	113	21.369	150	29.140	187	36.911	224	44.681
3	-1.733	40	6.038	77	13.809	114	21.579	151	29.350	188	37.121	225	44.891
4	-1.523	41	6.248	78	14.019	115	21.789	152	29.560	189	37.331	226	45.101
5	-1.313	42	6.458	79	14 229	116	21.999	153	29.770	190	37.541	227	45.311
6	-1.103	43	6 668	80	14.439	117	22.209	154	29.980	191	37.751	228	45.521
7	-0.893	44	6.878	81	14.649	118	22.419	155	30.190	192	37.961	229	45.731
8	-0.683	45	7.088	82	14.859	119	22.629	156	30.400	193	38.171	230	45.941
9	-0.473	46	7.298	83	15 069	120	22.839	157	30.610	194	38.381	231	46.151
10	-0 263	47	7.508	84	15.279	121	23.049	158	30.820	195	38.591	232	46.361
11	-0.053	48	7.718	85	15.489	122	23.259	159	31.030	196	38.801	233	46.571
12	0.157	49	7.928	86	15.699	123	23.469	160	31.240	197	39.011	234	46.781
13	0.367	50	8.138	87	15.909	124	23.679	161	31.450	198	39.221	235	46.991
14	0.578	51	8.348	88	16.119	125	23.890	162	31.660	199	39 431	236	47.202
15	0.788	52	8.558	89	16.329	126	24.100	163	31.870	200	39.641	237	47.412
16	0.998	53	8.768	90	16.539	127	24.310	164	32.080	201	39.851	238	47.622
17	1.208	54	8.978	91	16.749	128	24.520	165	32.290	202	40.061	239	47.832
18	1.418	55	9.188	92	16.959	129	24.730	166	32.500	203	40.271	240	48.042
19	1 628	56	9.398	93	17.169	130	24.940	167	32.710	204	40 481	241	48 252
20	1.838	57	9.608	94	17.379	131	25.150	168	32.920	205	40.691	242	48.462
21	2.048	58	9.818	95	17.589	132	25.360	169	33.130	206	40.901	243	48.672
22	2.258	59	10.028	96	17.799	133	25.570	170	33.340	207	41.111	244	48.882
23	2.468	60	10.238	97	18.009	134	25.780	171	33.550	208	41.321	245	49.092
24	2.678	61	10.448	98	18.219	135	25.990	172	33.760	209	41.531	246	49.302
25	2.888	62	10.658	99	18.429	136	26.200	173	33.970	210	41.741	247	49.512
26	3.098	63	10.868	100	18.639	137	26.410	174	34.180	211	41.951	248	49.722
27	3.308	64	11.078	101	18.849	138	26 620	175	34.390	212	42.161	249	49.932
28	3.518	65	11.288	102	19.059	139	26.830	176	34.600	213	42.371	250	50.142
29	3.728	66	11.498	103	19.269	140	27.040	177	34.810	214	42.581	251	50.352
30	3.938	67	11.708	104	19.479	141	27.250	178	35.020	215	42.791	252	50.562
31	4.148	68	11.918	105	19.689	142	27.460	179	35.230	216	43.001	253	50.772
32	4.358	69	12.129	106	19.899	143	27.670	180	35.440	217	43.211	254	50.982
33	4.568	70	12.339	107	20.109	144	27.880	181	35.651	218	43.421		
34	4.778	71	12.549	108	20.319	145	28.090	182	35.861	219	43.631		
35	4.988	72	12.759	109	20.529	146	28.300	183	36.071	220	43.841		
36	5.198	73	12.969	110	20.739	147	28.510	184	36.281	221	44.051		
37	5.408	74	13.179	111	20.949	148	28.720	185	36.491	222	44.261		

09/27/71
3 INSTALLATION DATE APRIL 28,1969
RATE GLY PRI COLDPLATE OUTLET
CAL RANGE 148.986 TO 299.755

SC-113

HARDWARE CALIB. NO. 77050 10 00 00
SERIAL NO. 102400149035

=21515



EQUATION COEFFICIENTS

A_0= 4.938 E 01
A_1= 1.105 E 02
A_2= -1.819 E 01
A_3= 1.511 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = 4.938E 01
20% = 1.432E 02
40% = 2.096E 02
50% = 2.355E 02
60% = 2.579E 02
80% = 2.969E 02
100% = 3.359E 02

MEASUREMENT NO.
200CF0157R11

MEAS LOADING NO.
1193057 12 20

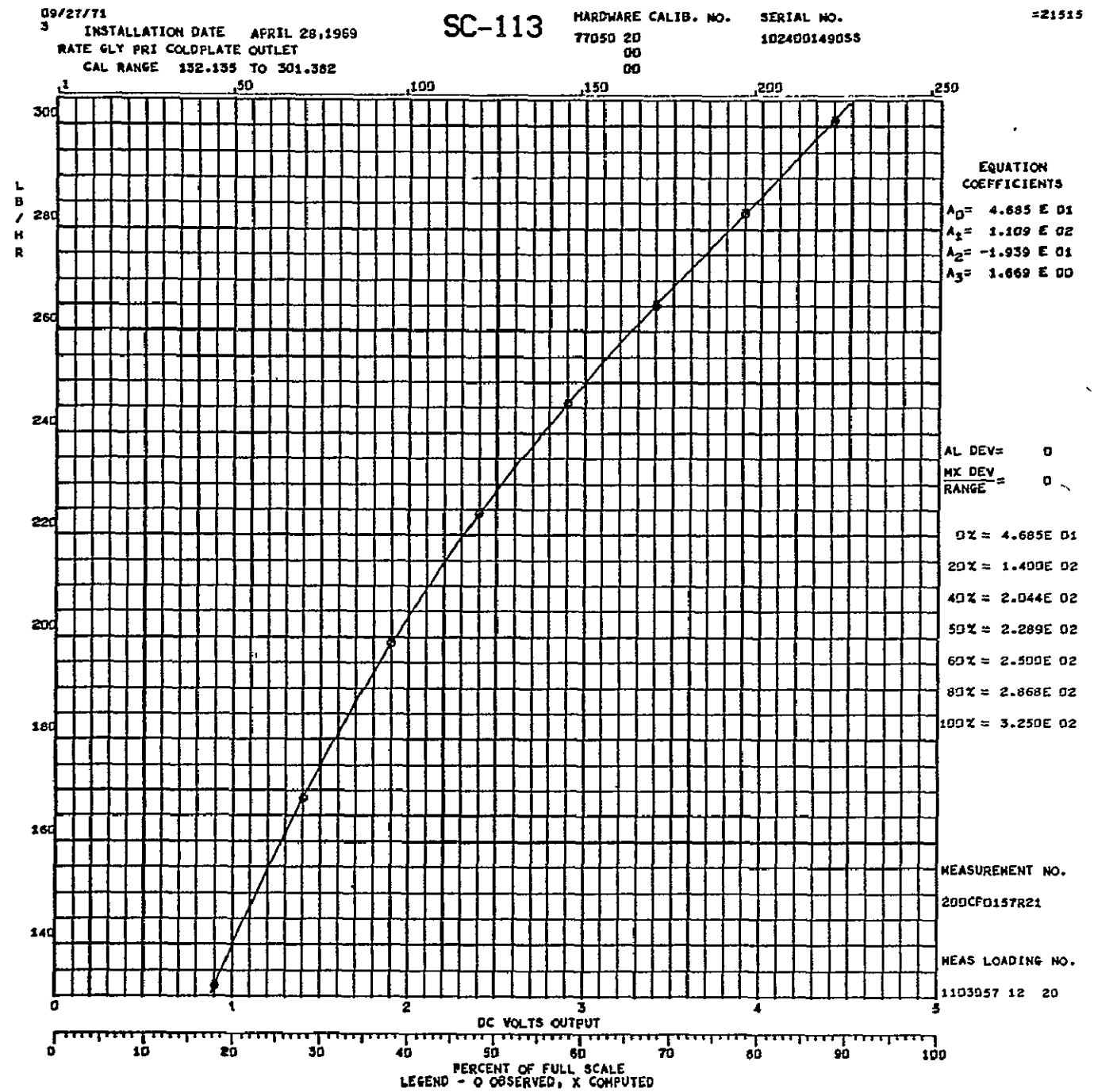
This is a multiple node measurement. It is one of three options. Used when CF0181T is aprox. 60 deg F.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

RATE GLY FRI COLDPLATE OUTLET

MEASUREMENT NO. 200CF0157R11
VEHICLE SC-113
TRANSDUCER SERIAL NO. 192490149OSS
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/28/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	49.381	38	121.021	75	176.755	112	220.130	149	254.691	186	283.981	223	311.546
2	51.557	39	122.720	76	178.074	113	221.164	150	255.536	187	284.733	224	312.300
3	53.719	40	124.408	77	179.384	114	222.192	151	256.377	188	285.483	225	313.056
4	55.867	41	126.085	78	180 685	115	223.213	152	257.214	189	286.233	226	313.813
5	58.001	42	127.750	79	181.977	116	224.228	153	258.048	190	286.981	227	314.572
6	60.123	43	129.403	80	183.261	117	225.237	154	258.878	191	287.728	228	315.332
7	62.226	44	131.046	81	184.536	118	226.240	155	259.705	192	288.475	229	316.094
8	64.319	45	132.677	82	185.802	119	227.237	156	260.528	193	289 220	230	316.858
9	66.397	46	134.297	83	187.059	120	228.228	157	261.348	194	289.965	231	317.624
10	68.462	47	135.906	84	188.308	121	229.213	158	262.165	195	290.709	232	318.391
11	70.513	48	137.504	85	189.549	122	230.192	159	262.979	196	291.453	233	319.160
12	72.551	49	139.092	86	190.782	123	231.166	160	263.789	197	292.196	234	319.932
13	74.575	50	140.668	87	192.006	124	232.134	161	264.596	198	292.938	235	320.705
14	76.586	51	142.233	88	193.222	125	233.096	162	265.400	199	293.681	236	321.481
15	78.584	52	143.788	89	194.430	126	234.052	163	266.202	200	294.422	237	322.259
16	80.568	53	145.333	90	195.629	127	235.004	164	267.000	201	295.164	238	323.039
17	82.539	54	146.866	91	196.821	128	235.949	165	267.796	202	295.905	239	323.822
18	84.498	55	148.389	92	198.005	129	236.890	166	268.589	203	296.646	240	324.607
19	86.443	56	149.902	93	199.181	130	237.825	167	269.379	204	297.387	241	325.395
20	88.375	57	151.404	94	200.349	131	238.755	168	270.165	205	298.128	242	326.185
21	90.294	58	152.896	95	201.510	132	239.680	169	270.952	206	298.869	243	326.978
22	92.201	59	154.378	96	202.663	133	240.600	170	271.734	207	299.610	244	327.773
23	94.095	60	155.850	97	203.809	134	241.515	171	272.514	208	300.352	245	328.572
24	95.976	61	157.312	98	204.946	135	242.425	172	273.292	209	301.093	246	329.373
25	97.844	62	158.763	99	206.077	136	243.330	173	274.068	210	301.836	247	330.177
26	99.700	63	160.205	100	207.200	137	244.231	174	274.842	211	302.578	248	330.984
27	101.544	64	161.637	101	208.316	138	245.127	175	275.613	212	303.321	249	331.795
28	103.375	65	163.059	102	209.425	139	246.018	176	276.383	213	304.064	250	332.608
29	105.194	66	164.471	103	210.526	140	246.904	177	277.150	214	304.809	251	333.425
30	107.000	67	165.874	104	211.621	141	247.786	178	277.916	215	305.554	252	334.245
31	108.795	68	167.267	105	212.708	142	248.664	179	278.680	216	306.299	253	335.068
32	110.577	69	168.650	106	213.789	143	249.538	180	279.442	217	307.046	254	335.895
33	112.347	70	170.024	107	214.862	144	250.407	181	280.202	218	307.793		
34	114.106	71	171.389	108	215.929	145	251.272	182	280.961	219	308.541		
35	115.852	72	172.744	109	216.989	146	252.132	183	281.718	220	309.291		
36	117.587	73	174.091	110	218 043	147	252.989	184	282 474	221	310.041		
37	119.309	74	175.427	111	219.090	148	253.842	185	283.228	222	310.793		



This is a multiple mode measurement. It is two of three options.

Used when CF0181T is aprox. 90 deg. F.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

RATE GLY FRI COLDPLATE OUTLET

MEASUREMENT NO. 200CF0157R21
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1024001490SS
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/28/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	46.853	38	118.199	75	172.725	112	214.345	149	246.973	186	274.524	223	300.913
2	49.036	39	119.876	76	174.002	113	215.327	150	247.767	187	275.235	224	301.646
3	51.204	40	121.541	77	175.269	114	216.303	151	248.557	188	275.945	225	302.382
4	53.357	41	123.194	78	176.528	115	217.273	152	249.343	189	276.654	226	303.120
5	55.496	42	124.835	79	177.777	116	218.236	153	250.126	190	277.363	227	303.861
6	57.619	43	126.464	80	179.017	117	219.193	154	250.906	191	278.071	228	304.603
7	59.728	44	128.081	81	180.248	118	220.143	155	251.682	192	278.779	229	305.348
8	61.822	45	129.686	82	181.470	119	221.088	156	252.456	193	279.486	230	306.096
9	63.901	46	131.279	83	182.683	120	222.027	157	253.225	194	280.194	231	306.846
10	65.966	47	132.861	84	183.887	121	222.959	158	253.992	195	280.900	232	307.598
11	68.017	48	134.431	85	185.083	122	223.886	159	254.756	196	281.607	233	308.354
12	70.053	49	135 990	86	186.270	123	224.807	160	255.517	197	282.314	234	309.112
13	72.075	50	137.537	87	187.448	124	225.723	161	256.275	198	283.020	235	309.873
14	74.082	51	139.073	88	188.618	125	226.632	162	257.030	199	283.727	236	310.637
15	76.076	52	140.597	89	189.779	126	227 536	163	257.783	200	284.434	237	311.404
16	78.055	53	142.110	90	190.932	127	228.435	164	258.533	201	285.141	238	312.174
17	80.020	54	143.613	91	192.077	128	229.328	165	259.280	202	285.848	239	312.947
18	81.972	55	145.104	92	193.214	129	230.216	166	260.025	203	286.556	240	313.723
19	83.909	56	146.584	93	194.342	130	231.099	167	260.768	204	287.265	241	314.503
20	85.833	57	148.053	94	195.463	131	231.976	168	261.508	205	287.973	242	315.286
21	87.744	58	149.512	95	196.575	132	232.848	169	262.246	206	288.683	243	316.073
22	89.640	59	150.959	96	197.680	133	233.716	170	262.982	207	289.393	244	316.863
23	91.523	60	152.396	97	198.776	134	234.578	171	263.716	208	290.104	245	317.657
24	93.393	61	153 823	98	199 866	135	235.436	172	264.447	209	290 816	246	318.455
25	95.249	62	155.239	99	200.947	136	236.288	173	265 177	210	291.528	247	319.256
26	97.092	63	156.644	100	202.021	137	237.136	174	265.905	211	292.242	248	320.061
27	98.922	64	158.039	101	203.087	138	237.980	175	266.631	212	292.957	249	320.870
28	100.738	65	159.424	102	204.146	139	238.818	176	267.356	213	293.673	250	321.683
29	102.542	66	160.799	103	205 198	140	239.653	177	268.079	214	294.390	251	322.501
30	104.333	67	162.164	104	206.242	141	240.483	178	268.800	215	295.108	252	323.322
31	106.110	68	163.518	105	207.279	142	241.308	179	269.520	216	295.828	253	324.148
32	107.875	69	164.863	106	208.309	143	242.130	180	270.238	217	296.549	254	324.978
33	109.627	70	166.197	107	209.332	144	242.947	181	270.955	218	297.272		
34	111.367	71	167.522	108	210.348	145	243.760	182	271.671	219	297.997		
35	113.093	72	168.837	109	211.358	146	244.569	183	272.386	220	298.723		
36	114.808	73	170.143	110	212.360	147	245.374	184	273.100	221	299.451		
37	116.510	74	171.439	111	213.356	148	246.175	185	273.812	222	300 181		

TABLE FOR MEASUREMENT 200CF0157R31 WAS NOT POSSIBLE
TABLE FOR MEASUREMENT 200CF0157R31 WAS NOT POSSIBLE.

No calibration curve for Measurement No. CF0157R-31
was available at time of publishing.

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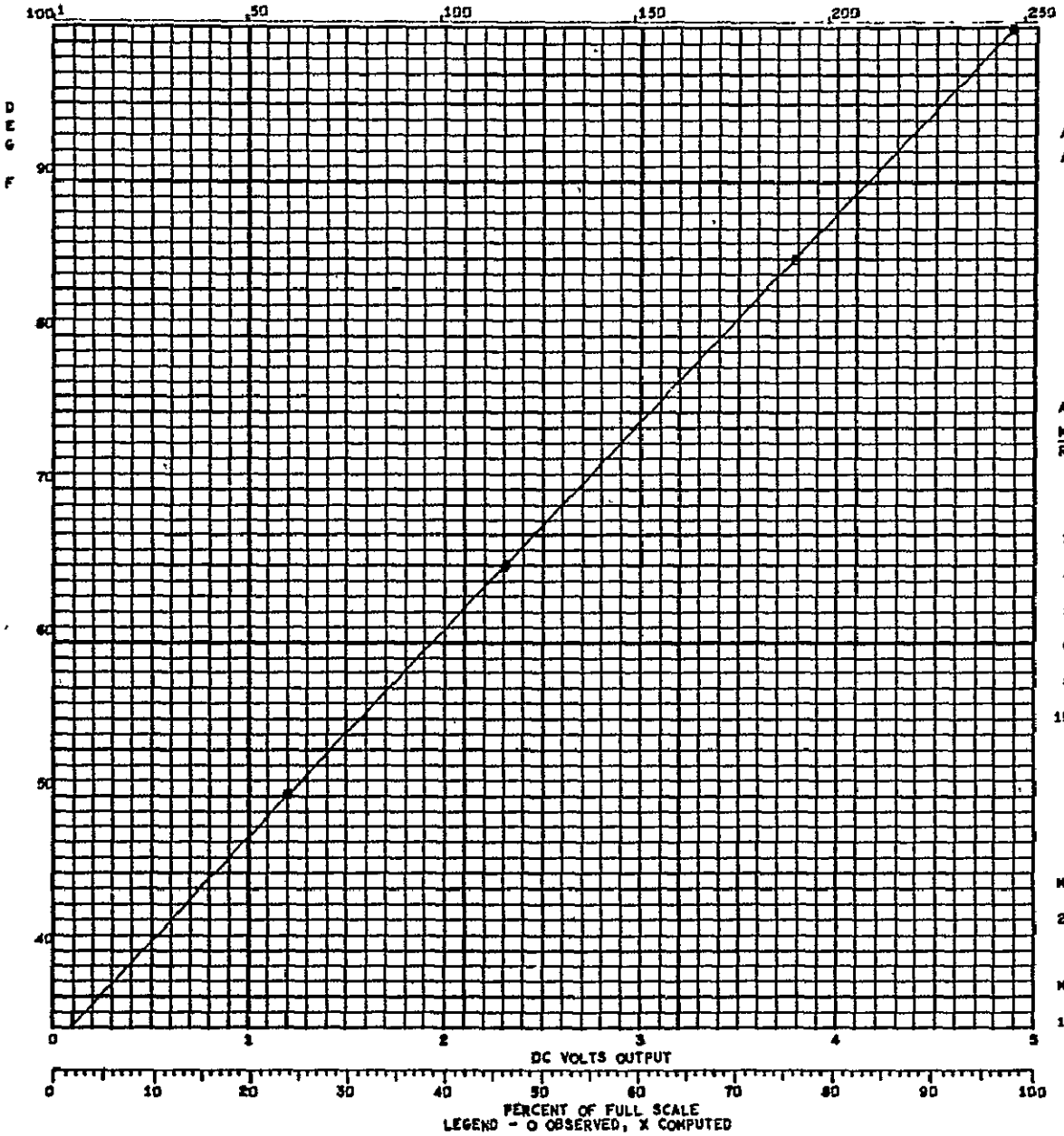
09/27/71
1 INSTALLATION DATE AUG. 19,1969
TEMP GLYCOL EVAP INLET
CAL RANGE 34.9440 TO 99.9304

SC-113

HARDWARE CALIB. NO.
76876 01
00
00

SERIAL NO.
10308612767A

#21515



EQUATION COEFFICIENTS

A_0= 3.383 E 01
A_1= 1.354 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 3.383E 01
20% = 4.737E 01
40% = 6.091E 01
50% = 6.767E 01
60% = 7.444E 01
80% = 8.798E 01
100% = 1.015E 02

MEASUREMENT NO.
200CF0181T01

MEAS LOADING NO.
1034052 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP GLYCOL EVAP INLET

MEASUREMENT NO. 200CF0181T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612767A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/19/69

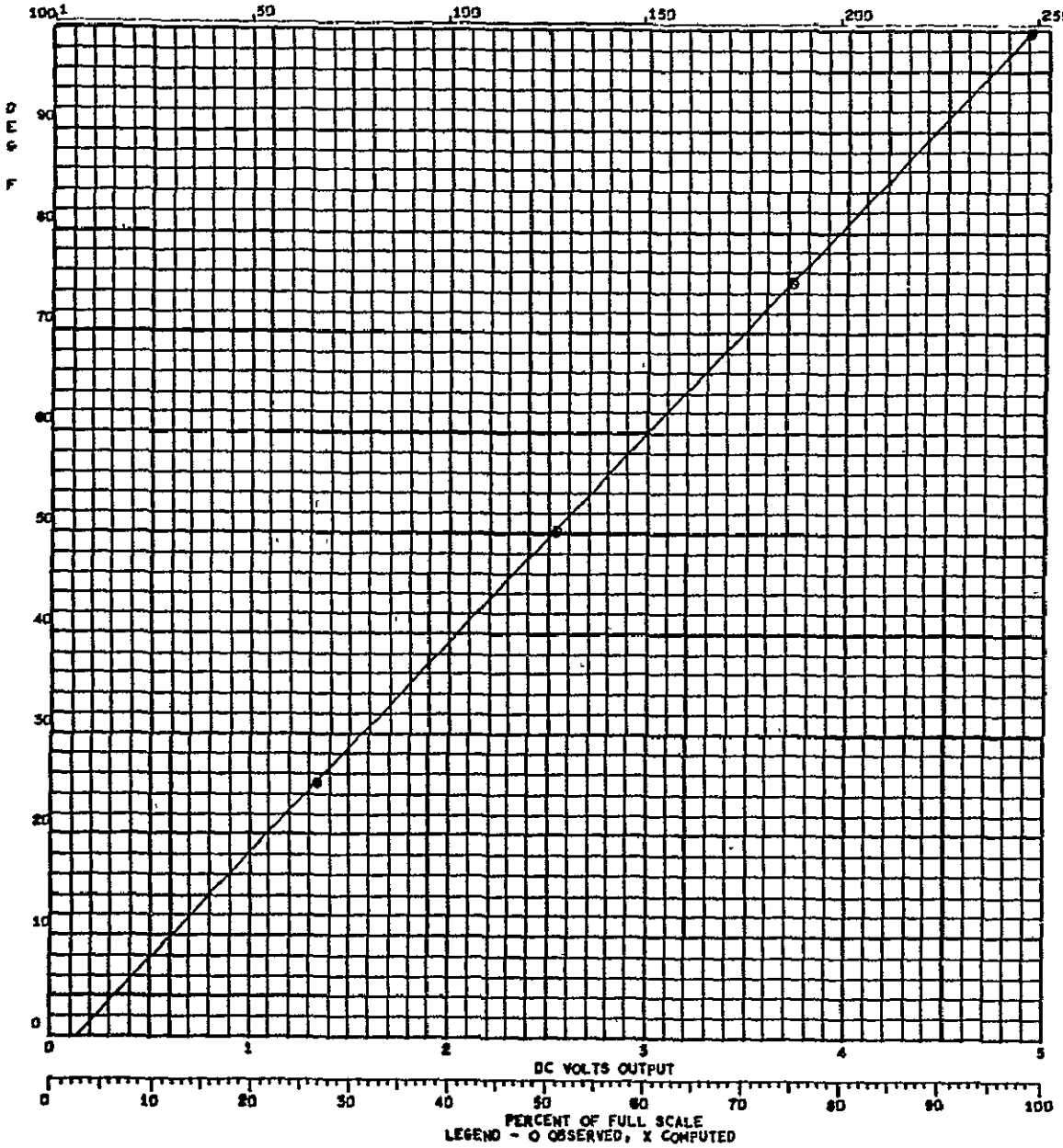
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	33.834	38	43.732	75	53.630	112	63.528	149	73.426	186	83.323	223	93 221
2	34.102	39	43.999	76	53.897	113	63.795	150	73.693	187	83.591	224	93.489
3	34.369	40	44.267	77	54.165	114	64.063	151	73.961	188	83.858	225	93.756
4	34.637	41	44.534	78	54.432	115	64.330	152	74.228	189	84.126	226	94.024
5	34.904	42	44.802	79	54.700	116	64.598	153	74.496	190	84.393	227	94.291
6	35.172	43	45.069	80	54.967	117	64.865	154	74.763	191	84.661	228	94.559
7	35.439	44	45.337	81	55.235	118	65.133	155	75.031	192	84.929	229	94.826
8	35.707	45	45.604	82	55.502	119	65.400	156	75.298	193	85.196	230	95.094
9	35.974	46	45.872	83	55.770	120	65.668	157	75.566	194	85.464	231	95.361
10	36.242	47	46.140	84	56.037	121	65.935	158	75.833	195	85.731	232	95.629
11	36.509	48	46.407	85	56.305	122	66.203	159	76.101	196	85.999	233	95.896
12	36.777	49	46.675	86	56.572	123	66.470	160	76.368	197	86.266	234	96.164
13	37.044	50	46.942	87	56.840	124	66.738	161	76.636	198	86.534	235	96.431
14	37.312	51	47.210	88	57.107	125	67.005	162	76.903	199	86.801	236	96.699
15	37.579	52	47.477	89	57.375	126	67.273	163	77.171	200	87.069	237	96.966
16	37.847	53	47.745	90	57.642	127	67.540	164	77.438	201	87.336	238	97.234
17	38.114	54	48.012	91	57.910	128	67.808	165	77.706	202	87.604	239	97.502
18	38.382	55	48.280	92	58.177	129	68.075	166	77.973	203	87.871	240	97.769
19	38.649	56	48.547	93	58.445	130	68.343	167	78.241	204	88.139	241	98.037
20	38.917	57	48.815	94	58.712	131	68.610	168	78.508	205	88.406	242	98.304
21	39.184	58	49 082	95	58.980	132	68.878	169	78.776	206	88.674	243	98.572
22	39.452	59	49.350	96	59.248	133	69.145	170	79.043	207	88.941	244	98.839
23	39.719	60	49.617	97	59.515	134	69.413	171	79.311	208	89.209	245	99.107
24	39.987	61	49.885	98	59.783	135	69.680	172	79.578	209	89.476	246	99.374
25	40.254	62	50.152	99	60.050	136	69.948	173	79.846	210	89.744	247	99.642
26	40.522	63	50.420	100	60.318	137	70.215	174	80.113	211	90.011	248	99.909
27	40.789	64	50.687	101	60.585	138	70.483	175	80 381	212	90.279	249	100.177
28	41.057	65	50.955	102	60.853	139	70.750	176	80.648	213	90.546	250	100.444
29	41.324	66	51.222	103	61.120	140	71.018	177	80.916	214	90.814	251	100.712
30	41.592	67	51.490	104	61.388	141	71.285	178	81.183	215	91.081	252	100.979
31	41.859	68	51.757	105	61.655	142	71.553	179	81.451	216	91.349	253	101.247
32	42.127	69	52.025	106	61.923	143	71.821	180	81.718	217	91.616	254	101.514
33	42.394	70	52.292	107	62.190	144	72.088	181	81.986	218	91.884		
34	42.662	71	52.560	108	62.458	145	72.356	182	82.253	219	92.151		
35	42.929	72	52.827	109	62.725	146	72.623	183	82.521	220	92.419		
36	43.197	73	53.095	110	62.993	147	72.891	184	82.788	221	92.686		
37	43.464	74	53.362	111	63.260	148	73.158	185	83.056	222	92.954		

09/27/71
1 INSTALLATION DATE JULY 8,1969
TEMP URINE DUMP NOZZLE
CAL RANGE -.199502 TO 99.8108

SC-113

HARDWARE CALIB. NO. 77085 01 00 00
SERIAL NO. 10308612505A

#21515



EQUATION COEFFICIENTS

A_0= -2.791 E 00
A_1= 2.090 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -2.791E 00
20% = 1.811E 01
40% = 3.901E 01
50% = 4.946E 01
60% = 5.991E 01
80% = 8.081E 01
100% = 1.017E 02

MEASUREMENT NO.
200CF046OT01

MEAS LOADING NO.
1038116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP URINE DUMP NOZZLE

MEASUREMENT NO. 200CP3460T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103086125O5A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-2.791	38	12.492	75	27.775	112	43.058	149	58.342	186	73.625	223	88.908
2	-2.378	39	12.905	76	28.188	113	43.471	150	58.755	187	74.038	224	89.321
3	-1.965	40	13.318	77	28.601	114	43.884	151	59.168	188	74.451	225	89.734
4	-1.552	41	13.731	78	29.014	115	44.298	152	59.581	189	74.864	226	90.147
5	-1.139	42	14.144	79	29.427	116	44.711	153	59.994	190	75.277	227	90.560
6	-0.726	43	14.557	80	29.840	117	45.124	154	60.407	191	75.690	228	90.973
7	-0.313	44	14.970	81	30.253	118	45.537	155	60.820	192	76.103	229	91.386
8	0.100	45	15.383	82	30.667	119	45.950	156	61.233	193	76.516	230	91.799
9	0.513	46	15.796	83	31 080	120	46.363	157	61.646	194	76.929	231	92.212
10	0.926	47	16 209	84	31.493	121	46.776	158	62.059	195	77.342	232	92.625
11	1.339	48	16.623	85	31.906	122	47.189	159	62.472	196	77.755	233	93.039
12	1.752	49	17.036	86	32.319	123	47.602	160	62.885	197	78.168	234	93.452
13	2.165	50	17.449	87	32.732	124	48.015	161	63.298	198	78.581	235	93.865
14	2.578	51	17.862	88	33.145	125	48.428	162	63.711	199	78.995	236	94.278
15	2.992	52	18.275	89	33.558	126	48.841	163	64.124	200	79.408	237	94.691
16	3.405	53	18.688	90	33.971	127	49.254	164	64.537	201	79.821	238	95.104
17	3.818	54	19.101	91	34.384	128	49.667	165	64.950	202	80.234	239	95.517
18	4.231	55	19.514	92	34.797	129	50.080	166	65.364	203	80.647	240	95.930
19	4.644	56	19.927	93	35.210	130	50.493	167	65.777	204	81.060	241	96.343
20	5.057	57	20.340	94	35.623	131	50.906	168	66.190	205	81.473	242	96.756
21	5.470	58	20.753	95	36.036	132	51.320	169	66.603	206	81.886	243	97.169
22	5.883	59	21.166	96	36.449	133	51.733	170	67.016	207	82.299	244	97.582
23	6.296	60	21.579	97	36.862	134	52.146	171	67.429	208	82.712	245	97.995
24	6.709	61	21.992	98	37.275	135	52.559	172	67.842	209	83.125	246	98.408
25	7.122	62	22.405	99	37.689	136	52.972	173	68.255	210	83.538	247	98.821
26	7.535	63	22.818	100	38.102	137	53.385	174	68.668	211	83.951	248	99.234
27	7.948	64	23.231	101	38.515	138	53.798	175	69.081	212	84.364	249	99.648
28	8.361	65	23.645	102	38.928	139	54.211	176	69.494	213	84.777	250	100.061
29	8.774	66	24.058	103	39.341	140	54.624	177	69.907	214	85.190	251	100.474
30	9.187	67	24.471	104	39.754	141	55.037	178	70.320	215	85.603	252	100.887
31	9.600	68	24.884	105	40.167	142	55.450	179	70.733	216	86.017	253	101.300
32	10.014	69	25.297	106	40.580	143	55.863	180	71.146	217	86.430	254	101.713
33	10.427	70	25.710	107	40.993	144	56.276	181	71.559	218	86.843		
34	10.840	71	26.123	108	41.406	145	56.689	182	71.972	219	87.256		
35	11.253	72	26.536	109	41.819	146	57.102	183	72.386	220	87.669		
36	11.666	73	26.949	110	42.232	147	57.515	184	72.799	221	88.082		
37	12 079	74	27.362	111	42.645	148	57.928	185	73.212	222	88.495		

09/27/71

INSTALLATION DATE JULY 8,1969

TEMP WASTE WATER DUMP NOZZLE

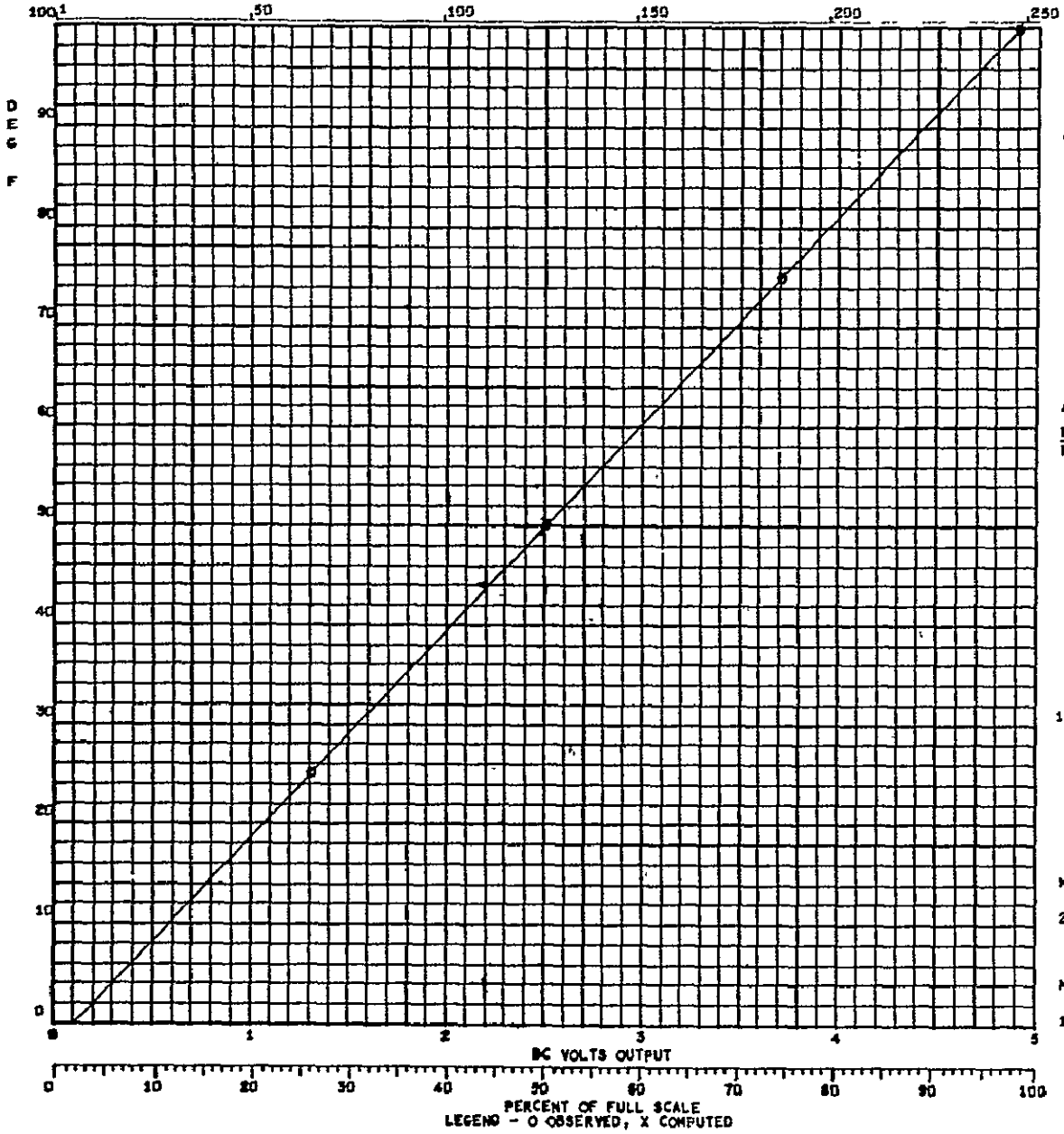
CAL RANGE -.136934 TO 99.8620

SC-113

HARDWARE CALIB. NO. 77087 01 00 00

SERIAL NO. 10308602379A

=21515



EQUATION COEFFICIENTS

A_0= -2.115 E 00

A_1= 2.082 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -2.115E 00

20% = 1.871E 01

40% = 3.953E 01

50% = 4.995E 01

60% = 6.036E 01

80% = 8.118E 01

100% = 1.020E 02

MEASUREMENT NO.

200CF0461T02

MEAS LOADING NO.

1028052 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP WASTE WATER DUMP NOZZLE

MEASUREMENT NO. 200CF0461T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308602379A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/69

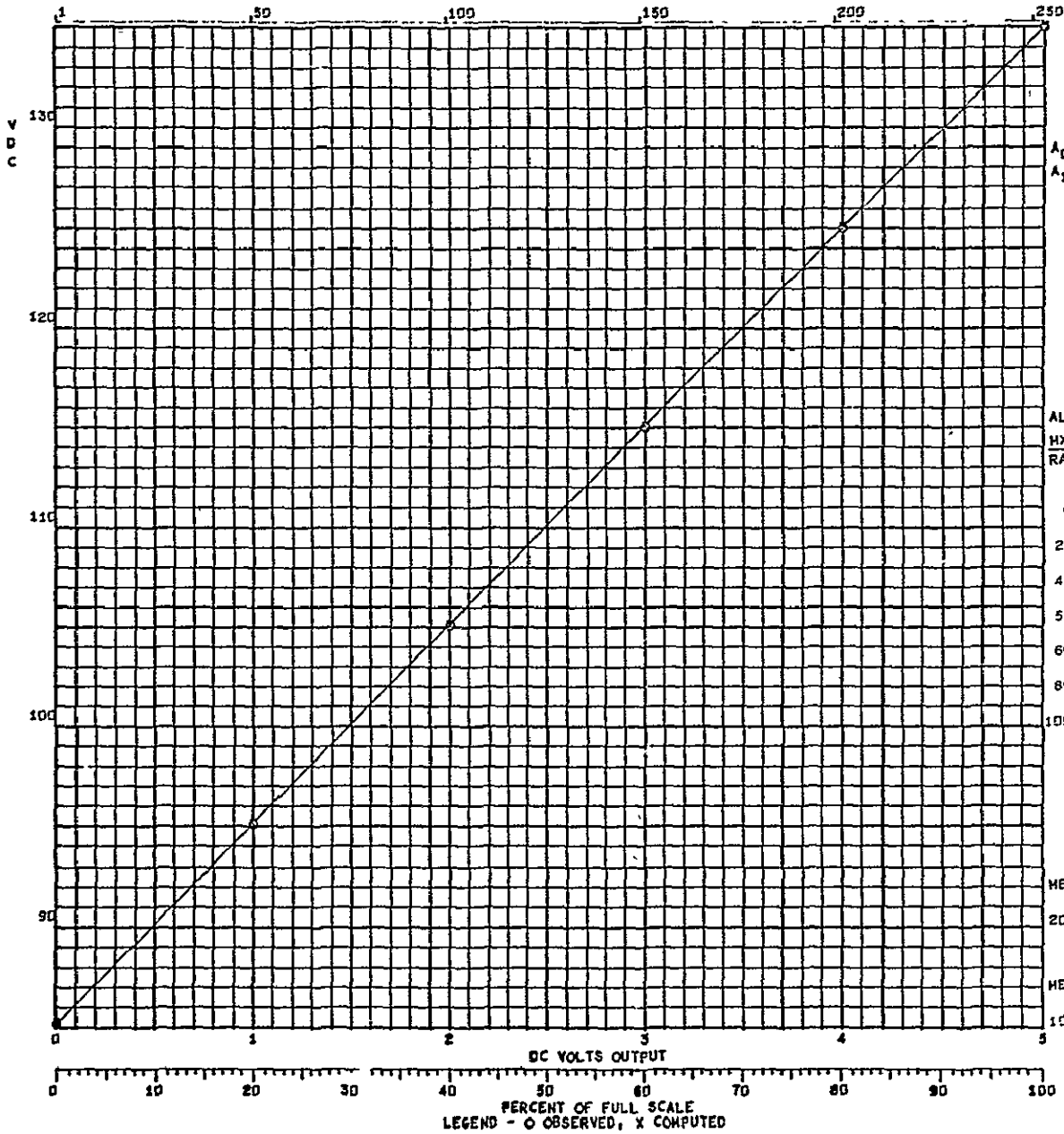
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-2.115	38	13.112	75	28.339	112	43.567	149	58.794	186	74.021	223	89.249
2	-1.704	39	13.524	76	28.751	113	43.978	150	59.206	187	74.433	224	89.660
3	-1.292	40	13.935	77	29.163	114	44.390	151	59.617	188	74.845	225	90.072
4	-0.881	41	14.347	78	29.574	115	44.801	152	60.029	189	75.256	226	90.484
5	-0.469	42	14.758	79	29.986	116	45.213	153	60.440	190	75.668	227	90.895
6	-0.058	43	15.170	80	30.397	117	45.625	154	60.852	191	76.079	228	91.307
7	0.354	44	15.581	81	30.809	118	46.036	155	61 263	192	76.491	229	91.718
8	0.766	45	15.993	82	31.220	119	46.448	156	61.675	193	76.902	230	92.130
9	1.177	46	16.404	83	31.632	120	46.859	157	62.087	194	77.314	231	92.541
10	1.589	47	16.816	84	32.043	121	47.271	158	62.498	195	77.725	232	92.953
11	2.000	48	17.228	85	32.455	122	47.682	159	62.910	196	78.137	233	93.364
12	2.412	49	17.639	86	32.866	123	48.094	160	63.321	197	78.549	234	93.776
13	2.823	50	18.051	87	33.278	124	48.505	161	63.733	198	78.960	235	94.187
14	3.235	51	18.462	88	33.690	125	48.917	162	64.144	199	79.372	236	94.599
15	3.646	52	18.874	89	34.101	126	49.328	163	64.556	200	79.783	237	95.011
16	4.058	53	19.285	90	34.513	127	49.740	164	64.967	201	80.195	238	95.422
17	4.470	54	19.697	91	34.924	128	50.152	165	65.379	202	80.606	239	95.834
18	4.881	55	20.108	92	35.336	129	50.563	166	65.790	203	81.018	240	96.245
19	5.293	56	20.520	93	35.747	130	50.975	167	66.202	204	81.429	241	96.657
20	5.704	57	20.932	94	36.159	131	51.386	168	66.614	205	81.841	242	97.068
21	6.116	58	21.343	95	36.570	132	51.798	169	67.025	206	82.252	243	97.480
22	6.527	59	21.755	96	36.982	133	52.209	170	67.437	207	82.664	244	97.891
23	6.939	60	22.166	97	37.394	134	52.621	171	67.848	208	83.076	245	98.303
24	7.350	61	22.578	98	37.805	135	53.032	172	68.260	209	83.487	246	98.715
25	7.762	62	22.989	99	38.217	136	53.444	173	68.671	210	83 899	247	99.126
26	8.173	63	23.401	100	38.628	137	53.856	174	69.083	211	84.310	248	99.538
27	8.585	64	23.812	101	39.040	138	54.267	175	69.494	212	84.722	249	99.949
28	8.997	65	24.224	102	39.451	139	54.679	176	69.906	213	85.133	250	100.361
29	9.408	66	24.635	103	39.863	140	55.090	177	70.318	214	85.545	251	100.772
30	9.820	67	25.047	104	40.274	141	55.502	178	70.729	215	85.956	252	101.184
31	10.231	68	25.459	105	40.686	142	55.913	179	71.141	216	86.368	253	101.595
32	10.643	69	25.870	106	41.097	143	56.325	180	71.552	217	86.780	254	102.007
33	11.054	70	26.282	107	41.509	144	56.736	181	71.964	218	87.191		
34	11.466	71	26.693	108	41.921	145	57.148	182	72 375	219	87.603		
35	11.877	72	27.105	109	42.332	146	57.559	183	72.787	220	88.014		
36	12.289	73	27.516	110	42.744	147	57.971	184	73.198	221	88.426		
37	12.701	74	27.928	111	43.155	148	58.383	185	73.610	222	88.837		

09/27/71
1 INSTALLATION DATE SEPT. 14,1960
+120 VDC PIPA SUPPLY DC LEVEL
CAL RANGE 85.1571 TO 134.973

SC-113

HARDWARE CALIB. NO. 78355 01 00 00
SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= 8.516 E 01
A_1= 9.963 E 00

AL DEV= 0
HX DEV / RANGE = 0

0% = 8.516E 01
20% = 9 512E 01
40% = 1.051E 02
50% = 1.101E 02
60% = 1.150E 02
80% = 1.250E 02
100% = 1.350E 02

MEASUREMENT NO.
200CG1040V01

MEAS LOADING NO.
1028084 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

+123 VDC PIFA SUPPLY DC LEVEL

MEASUREMENT NO. 200CG1040V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	85.157	38	92.442	75	99.728	112	107.013	149	114.298	186	121.584	223	128.869
2	85.354	39	92.639	76	99.925	113	107.210	150	114.495	187	121.781	224	129.065
3	85.551	40	92.836	77	100.122	114	107.407	151	114.692	188	121.977	225	129.263
4	85.748	41	93.033	78	100.318	115	107.604	152	114.889	189	122.174	226	129.460
5	85.945	42	93.230	79	100.515	116	107.801	153	115.086	190	122.371	227	129.657
6	86.142	43	93.427	80	100.712	117	107.998	154	115.283	191	122.568	228	129.853
7	86.339	44	93.624	81	100.909	118	108.194	155	115.480	192	122.765	229	130.050
8	86.535	45	93.821	82	101.106	119	108.391	156	115.677	193	122.962	230	130.247
9	86.732	46	94.018	83	101.303	120	108.588	157	115.874	194	123.159	231	130.444
10	86.929	47	94.215	84	101.500	121	108.785	158	116.070	195	123.356	232	130.641
11	87.126	48	94.411	85	101.697	122	108.982	159	116.267	196	123.553	233	130.838
12	87.323	49	94.608	86	101.894	123	109.179	160	116.464	197	123.750	234	131.035
13	87.520	50	94.805	87	102.091	124	109.376	161	116.661	198	123.946	235	131.232
14	87.717	51	95.002	88	102.287	125	109.573	162	116.858	199	124.143	236	131.429
15	87.914	52	95.199	89	102.484	126	109.770	163	117.055	200	124.340	237	131.626
16	88.111	53	95.396	90	102.681	127	109.967	164	117.252	201	124.537	238	131.822
17	88.308	54	95.593	91	102.878	128	110.163	165	117.449	202	124.734	239	132.019
18	88.504	55	95.790	92	103.075	129	110.360	166	117.646	203	124.931	240	132.216
19	88.701	56	95.987	93	103 272	130	110.557	167	117.843	204	125.128	241	132.413
20	88.898	57	96.184	94	103.469	131	110.754	168	118.039	205	125.325	242	132.610
21	89.095	58	96.380	95	103.666	132	110.951	169	118.236	206	125.522	243	132.807
22	89.292	59	96.577	96	103 863	133	111.148	170	118.433	207	125.719	244	133.004
23	89.489	60	96.774	97	104.060	134	111.345	171	118.630	208	125.915	245	133.201
24	89.686	61	96.971	98	104.256	135	111.542	172	118.827	209	126.112	246	133.398
25	89.883	62	97.168	99	104.453	136	111.739	173	119.024	210	126.309	247	133.595
26	90.080	63	97.365	100	104.650	137	111.936	174	119.221	211	126.506	248	133.791
27	90.277	64	97.562	101	104.847	138	112.132	175	119.418	212	126.703	249	133.988
28	90.473	65	97.759	102	105.044	139	112.329	176	119.615	213	126.900	250	134.185
29	90.670	66	97.956	103	105.241	140	112.526	177	119.812	214	127.097	251	134.382
30	90.867	67	98.153	104	105.438	141	112.723	178	120.008	215	127.294	252	134.579
31	91.064	68	98.349	105	105.635	142	112.920	179	120.205	216	127.491	253	134.776
32	91.261	69	98.546	106	105.832	143	113.117	180	120.402	217	127.688	254	134.973
33	91.458	70	98.743	107	106.029	144	113.314	181	120.599	218	127.884		
34	91.655	71	98.940	108	106.225	145	113.511	182	120.796	219	128.081		
35	91.852	72	99.137	109	106.422	146	113.708	183	120.993	220	128.278		
36	92.049	73	99.334	110	106.619	147	113.905	184	121.190	221	128.475		
37	92.246	74	99.531	111	106.816	148	114.101	185	121.387	222	128.672		

09/27/71

1 INSTALLATION DATE SEPT. 14,1960

2.5 VDC TM BIAS

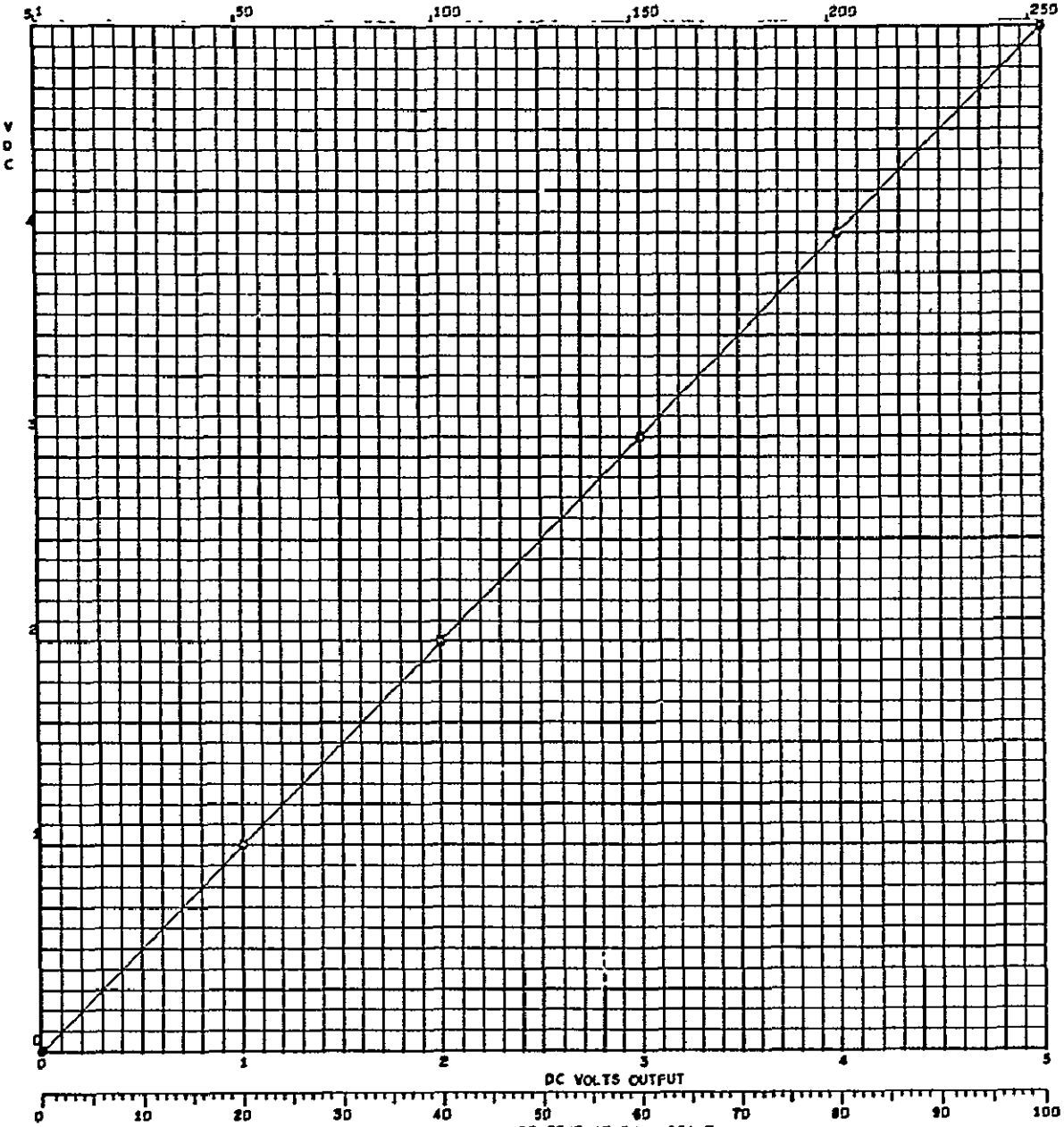
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. 78356 01 00 00

SERIAL NO. SCA 15

=Z1515



EQUATION COEFFICIENTS

A_0= 0.

A_1= 1.000 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$= 0

0% = 0.

20% = 1.000E 00

40% = 2.000E 00

50% = 2.500E 00

60% = 3.000E 00

80% = 4.000E 00

100% = 5.000E 00

MEASUREMENT NO.

200CG1110V01

MEAS LOADING NO.

1046116 12 29

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

2.5 VDC TM BIAS

MEASUREMENT NO: 200CG1110V01
VEHICLE SC-115
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	0.731	75	1.462	112	2.194	149	2.925	186	3.656	223	4.387
2	0.020	39	0.751	76	1.482	113	2.213	150	2.945	187	3.676	224	4.407
3	0.040	40	0.771	77	1.502	114	2.233	151	2.964	188	3.696	225	4.427
4	0.059	41	0.791	78	1.522	115	2.253	152	2.984	189	3.715	226	4.447
5	0.079	42	0.810	79	1.542	116	2.273	153	3.004	190	3.735	227	4.466
6	0.099	43	0.830	80	1.561	117	2.292	154	3.024	191	3.755	228	4.486
7	0.119	44	0.850	81	1.581	118	2.312	155	3.043	192	3.775	229	4.506
8	0.138	45	0.870	82	1.601	119	2.332	156	3.063	193	3.794	230	4.526
9	0.158	46	0.889	83	1.621	120	2.352	157	3.083	194	3.814	231	4.545
10	0.178	47	0.909	84	1.640	121	2.372	158	3.103	195	3.834	232	4.565
11	0.198	48	0.929	85	1.660	122	2.391	159	3.123	196	3.854	233	4.585
12	0.217	49	0.949	86	1.680	123	2.411	160	3.142	197	3.874	234	4.605
13	0.237	50	0.968	87	1.700	124	2.431	161	3.162	198	3.893	235	4.625
14	0.257	51	0.988	88	1.719	125	2.451	162	3.182	199	3.913	236	4.644
15	0.277	52	1.008	89	1.739	126	2.470	163	3.202	200	3.933	237	4.664
16	0.296	53	1.028	90	1.759	127	2.490	164	3.221	201	3.953	238	4.684
17	0.316	54	1.047	91	1.779	128	2.510	165	3.241	202	3.972	239	4.704
18	0.336	55	1.067	92	1.798	129	2.530	166	3.261	203	3.992	240	4.723
19	0.356	56	1.087	93	1.818	130	2.549	167	3.281	204	4.012	241	4.743
20	0.375	57	1.107	94	1.838	131	2.569	168	3.300	205	4.032	242	4.763
21	0.395	58	1.126	95	1.858	132	2.589	169	3.320	206	4.051	243	4.783
22	0.415	59	1.146	96	1.877	133	2.609	170	3.340	207	4.071	244	4.802
23	0.435	60	1.166	97	1.897	134	2.628	171	3.360	208	4.091	245	4.822
24	0.455	61	1.186	98	1.917	135	2.648	172	3.379	209	4.111	246	4.842
25	0.474	62	1.206	99	1.937	136	2.668	173	3.399	210	4.130	247	4.862
26	0.494	63	1.225	100	1.957	137	2.688	174	3.419	211	4.150	248	4.881
27	0.514	64	1.245	101	1.976	138	2.708	175	3.439	212	4.170	249	4.901
28	0.534	65	1.265	102	1.996	139	2.727	176	3.458	213	4.190	250	4.921
29	0.553	66	1.285	103	2.016	140	2.747	177	3.478	214	4.209	251	4.941
30	0.573	67	1.304	104	2.036	141	2.767	178	3.498	215	4.229	252	4.960
31	0.593	68	1.324	105	2.055	142	2.787	179	3.518	216	4.249	253	4.980
32	0.613	69	1.344	106	2.075	143	2.806	180	3.538	217	4.269	254	5.000
33	0.632	70	1.364	107	2.095	144	2.826	181	3.557	218	4.289		
34	0.652	71	1.383	108	2.115	145	2.846	182	3.577	219	4.308		
35	0.672	72	1.403	109	2.134	146	2.866	183	3.597	220	4.328		
36	0.692	73	1.423	110	2.154	147	2.885	184	3.617	221	4.348		
37	0.711	74	1.443	111	2.174	148	2.905	185	3.636	222	4.368		

09/27/71

S INSTALLATION DATE SEPT. 14,1960

IMU 28V .8KC 1 PCT 0 DEG RHS

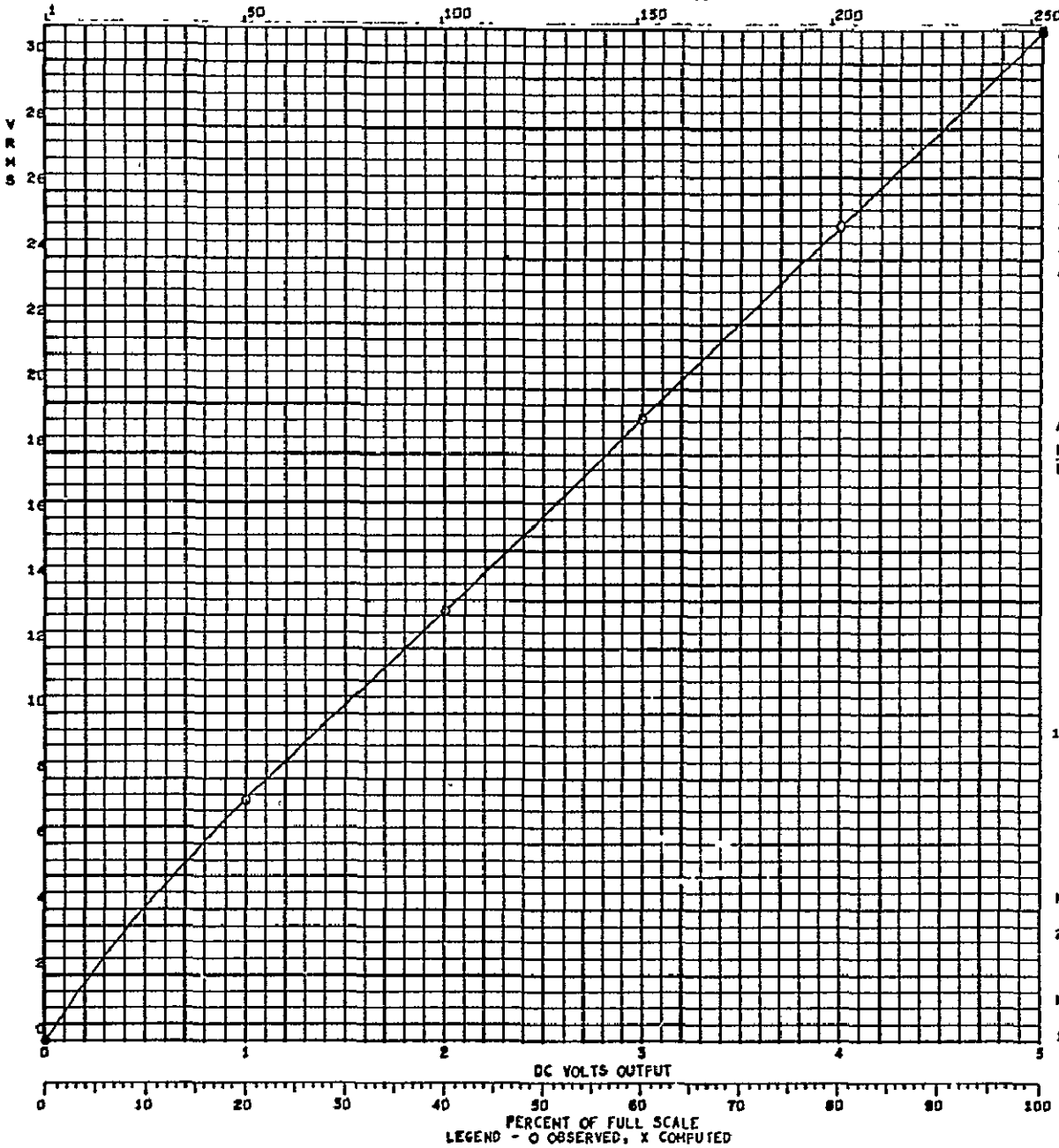
V CAL RANGE -.000000 TO 30.9600

SC-113

HARDWARE CALIB. NO. 78357 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -4.122 E-14
A_1= 9.425 E 00
A_2= -3.109 E 00
A_3= 1.234 E 00
A_4= -2.258 E-01
A_5= 1.550 E-02

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-4.122E-14
20% = 7.340E 00
40% = 1.317E 01
50% = 1.611E 01
60% = 1.909E 01
80% = 2.500E 01
100% = 3.096E 01

MEASUREMENT NO.

200CG1201V01

MEAS LOADING NO.

1031052 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

IMU 28V .8KC 1 PCT 0 DEG RHS

MEASUREMENT NO. 200CG1201V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-0.000	38	5.651	75	10.065	112	14.300	149	18.641	186	22.989	223	27.253
2	0.185	39	5.779	76	10.179	113	14.416	150	18.759	187	23.105	224	27.368
3	0.368	40	5.907	77	10.294	114	14.532	151	18.877	188	23.221	225	27.484
4	0.548	41	6.034	78	10.408	115	14.648	152	18.995	189	23.337	226	27.600
5	0.726	42	6.160	79	10.522	116	14.764	153	19.114	190	23.453	227	27.716
6	0.902	43	6.286	80	10.635	117	14.881	154	19.232	191	23.569	228	27.832
7	1.076	44	6.411	81	10.749	118	14.997	155	19.350	192	23.685	229	27.948
8	1.248	45	6.535	82	10.863	119	15.113	156	19.468	193	23.801	230	28.064
9	1.417	46	6.659	83	10.977	120	15.230	157	19.586	194	23.916	231	28.181
10	1.585	47	6.782	84	11.091	121	15.347	158	19.704	195	24.032	232	28.298
11	1.750	48	6.904	85	11.205	122	15.463	159	19.822	196	24.147	233	28.415
12	1.914	49	7.026	86	11.319	123	15.580	160	19.940	197	24.263	234	28.532
13	2.076	50	7.147	87	11.433	124	15.697	161	20.058	198	24.378	235	28.650
14	2.236	51	7.268	88	11.547	125	15.814	162	20.176	199	24.494	236	28.767
15	2.395	52	7.388	89	11.661	126	15.931	163	20.294	200	24.609	237	28.886
16	2.551	53	7.508	90	11.775	127	16.048	164	20.412	201	24.724	238	29.004
17	2.706	54	7.627	91	11.889	128	16.166	165	20.530	202	24.839	239	29.123
18	2.860	55	7.746	92	12.003	129	16.283	166	20.648	203	24.954	240	29.242
19	3.011	56	7.865	93	12.117	130	16.400	167	20.766	204	25.069	241	29.362
20	3.162	57	7.983	94	12.231	131	16.518	168	20.883	205	25.184	242	29.482
21	3.311	58	8.101	95	12.345	132	16.635	169	21.001	206	25.299	243	29.602
22	3.458	59	8.218	96	12.459	133	16.753	170	21.118	207	25.414	244	29.723
23	3.604	60	8.335	97	12.574	134	16.871	171	21.236	208	25.529	245	29.844
24	3.748	61	8.452	98	12.688	135	16.988	172	21.353	209	25.643	246	29.966
25	3.892	62	8.569	99	12.803	136	17.106	173	21.471	210	25.758	247	30.088
26	4.034	63	8.685	100	12.918	137	17.224	174	21.588	211	25.873	248	30 211
27	4.174	64	8.801	101	13.032	138	17.342	175	21.705	212	25.988	249	30.334
28	4.314	65	8.917	102	13.147	139	17.460	176	21.822	213	26.103	250	30.458
29	4.452	66	9.032	103	13.262	140	17.578	177	21.939	214	26.217	251	30.583
30	4.590	67	9.148	104	13.377	141	17.696	178	22.056	215	26.332	252	30.708
31	4.726	68	9.263	105	13.492	142	17.814	179	22.173	216	26.447	253	30.833
32	4.861	69	9.378	106	13.607	143	17.932	180	22.290	217	26.562	254	30.960
33	4.995	70	9.493	107	13.722	144	18.050	181	22.407	218	26.677		
34	5.128	71	9.608	108	13.838	145	18.168	182	22.523	219	26.792		
35	5.260	72	9.722	109	13.953	146	18.286	183	22.640	220	26.907		
36	5.391	73	9.837	110	14.069	147	18.404	184	22.756	221	27.022		
37	5.521	74	9.951	111	14.184	148	18.523	185	22.873	222	27.138		

09/27/71

$ INSTALLATION DATE SEPT. 14,1960

3.2KC 28V SUPPLY

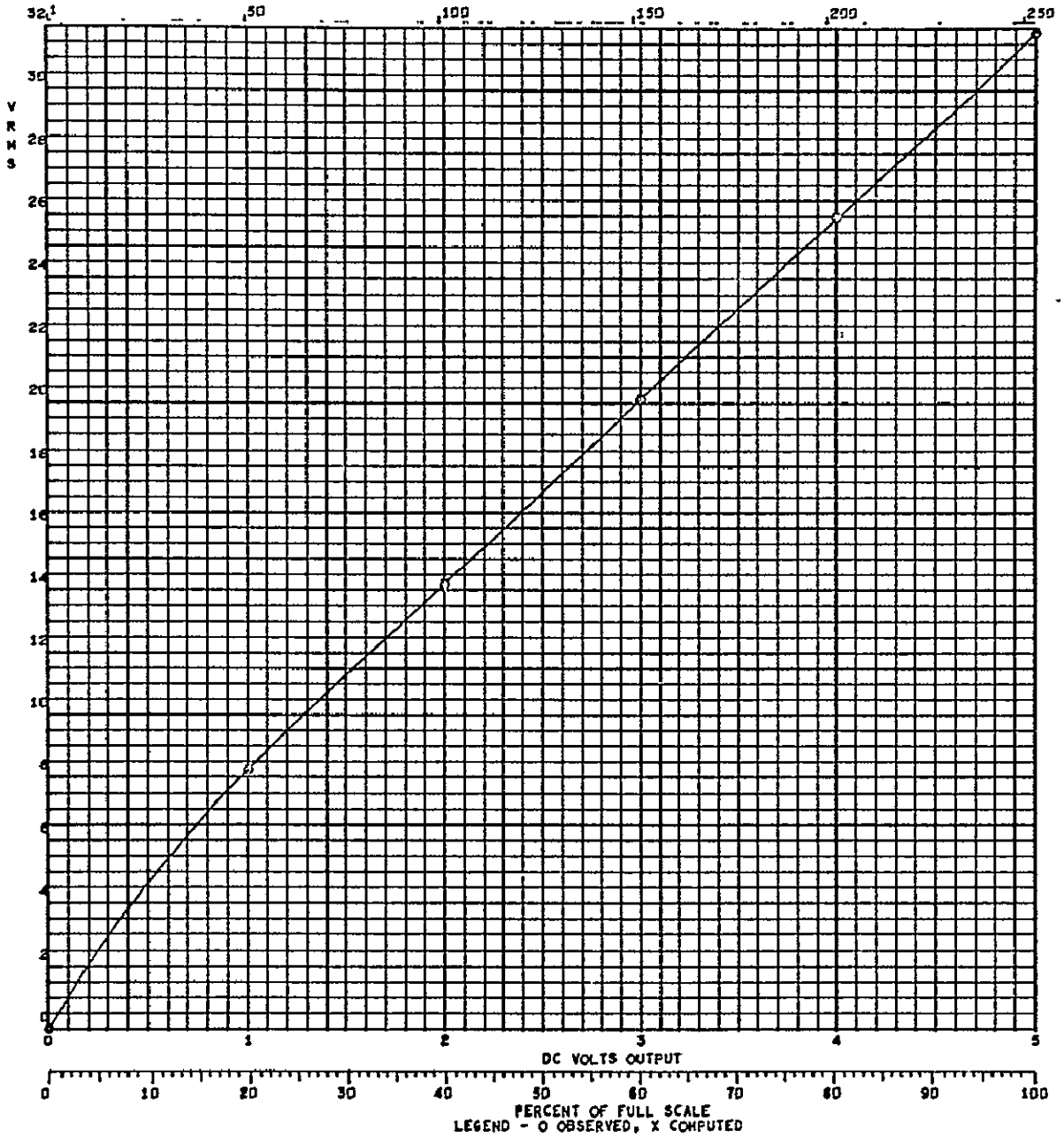
V CAL RANGE .000000 TO 31.8499

SC-113

HARDWARE CALIB. NO. 78358 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= 3.979 E-14
A_1= 1.110 E 01
A_2= -4.198 E 00
A_3= 1.596 E 00
A_4= -2.671 E-01
A_5= 1.958 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 3.979E-14
20% = 8.230E 00
40% = 1.421E 01
50% = 1.715E 01
60% = 2.012E 01
80% = 2.595E 01
100% = 3.185E 01

MEASUREMENT NO.

2D0CG1331VD1

MEAS LOADING NO.

1929552 12 29

10

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

3.2KC 28V SUPPLY

MEASUREMENT NO. 200CG1331V01
VEHICLE SC-113.
TRANSDUCER SERIAL NO SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

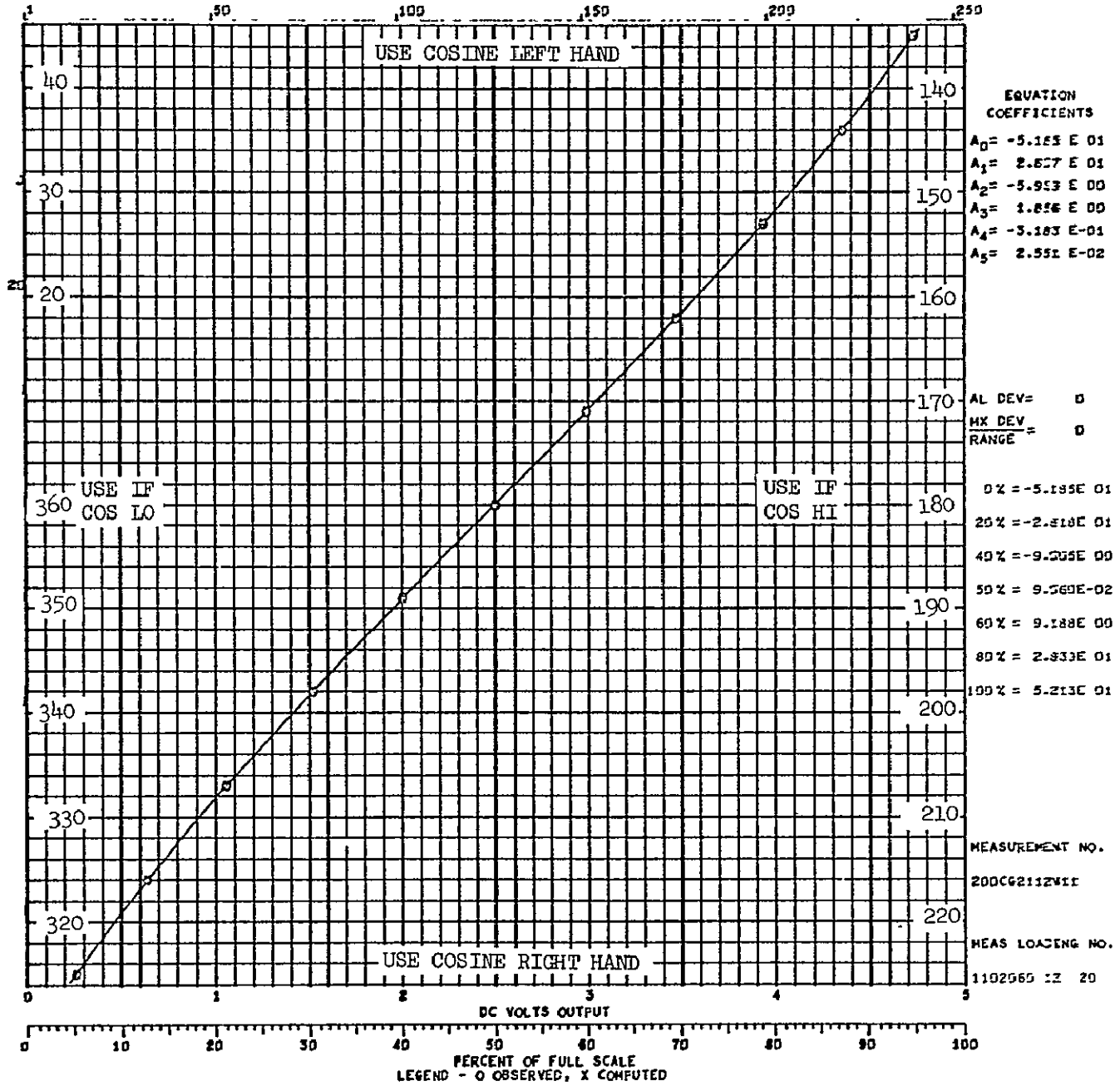
CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	0.000	38	6.418	75	11.064	112	15.344	149	19.674	186	23.974	223	28.181
2	0.218	39	6.557	76	11.181	113	15.460	150	19.791	187	24.089	224	28.275
3	0.432	40	6.696	77	11.298	114	15.576	151	19.909	188	24.203	225	28.389
4	0.644	41	6.833	78	11.414	115	15.693	152	20.026	189	24.317	226	28.503
5	0.852	42	6.970	79	11.531	116	15.809	153	20.143	190	24.431	227	28.617
6	1.057	43	7.105	80	11.647	117	15.925	154	20.261	191	24.545	228	28.731
7	1.260	44	7.239	81	11.763	118	16.042	155	20.378	192	24.659	229	28 846
8	1.459	45	7.372	82	11.879	119	16.158	156	20.495	193	24.773	230	28.961
9	1.656	46	7.505	83	11.995	120	16.275	157	20.612	194	24.886	231	29.076
10	1.850	47	7.636	84	12.110	121	16.391	158	20.729	195	25.000	232	29.191
11	2.041	48	7.767	85	12.226	122	16.508	159	20.847	196	25.113	233	29.307
12	2.230	49	7.896	86	12.341	123	16.625	160	20.964	197	25.227	234	29.423
13	2.417	50	8.025	87	12.457	124	16.741	161	21.080	198	25.340	235	29.539
14	2.600	51	8.153	88	12.572	125	16.858	162	21.197	199	25.453	236	29.656
15	2.782	52	8.281	89	12.688	126	16.975	163	21.314	200	25.566	237	29.773
16	2.961	53	8.408	90	12.803	127	17.092	164	21.431	201	25.679	238	29.891
17	3.138	54	8.533	91	12.918	128	17.209	165	21.547	202	25.792	239	30.009
18	3.312	55	8.659	92	13.034	129	17.326	166	21.664	203	25.905	240	30.127
19	3.484	56	8.783	93	13.149	130	17.443	167	21.781	204	26.018	241	30.246
20	3.655	57	8.908	94	13.264	131	17.560	168	21.897	205	26 130	242	30.366
21	3.823	58	9.031	95	13.380	132	17.678	169	22.013	206	26.243	243	30.486
22	3.989	59	9.154	96	13.495	133	17.795	170	22.129	207	26.356	244	30.606
23	4.153	60	9.276	97	13.610	134	17.912	171	22.245	208	26.469	245	30.727
24	4.316	61	9.398	98	13.725	135	18.030	172	22.361	209	26.581	246	30.849
25	4.476	62	9.520	99	13.841	136	18.147	173	22.477	210	26.694	247	30.972
26	4.635	63	9.641	100	13.956	137	18.264	174	22.593	211	26.806	248	31.095
27	4.792	64	9.761	101	14.071	138	18.382	175	22.709	212	26.919	249	31 219
28	4.947	65	9.881	102	14.187	139	18.499	176	22.825	213	27.032	250	31.343
29	5.101	66	10 001	103	14.302	140	18.617	177	22.940	214	27.144	251	31.469
30	5.253	67	10.120	104	14.418	141	18.734	178	23.055	215	27.257	252	31.595
31	5.404	68	10.239	105	14.533	142	18.852	179	23.171	216	27.370	253	31.722
32	5.553	69	10.358	106	14.649	143	18.969	180	23.286	217	27.483	254	31.850
33	5.700	70	10.476	107	14.765	144	19.087	181	23.401	218	27.596		
34	5.846	71	10.595	108	14.881	145	19.204	182	23.516	219	27.708		
35	5.991	72	10.712	109	14.996	146	19.322	183	23.631	220	27.822		
36	6.134	73	10.830	110	15.112	147	19.439	184	23.745	221	27 935		
37	6.277	74	10.947	111	15.228	148	19.556	185	23.860	222	28.048		

09/27/71
5 INSTALLATION DATE SEPT. 14,1960
IG 1X RESOLVER OUTPUT SINE
CAL RANGE -44.9999 TO 44.9990

SC-113

HARDWARE CALIB. NO. 78359 01 00 00
SERIAL NO. SCA 15

=Z1515



EQUATION COEFFICIENTS

A_0= -5.185 E 01
A_1= 2.627 E 01
A_2= -5.953 E 00
A_3= 1.856 E 00
A_4= -3.183 E-01
A_5= 2.551 E-02

AL DEV= 0
MX DEV / RANGE = 0

0 % = -5.185E 01
20 % = -2.818E 01
40 % = -9.205E 00
50 % = 9.569E-02
60 % = 9.188E 00
80 % = 2.833E 01
100 % = 5.213E 01

MEASUREMENT NO.
200CG2112V11

MEAS LOADING NO.
1102565 12 20

This calibration is dependent of Measurement CG1110V.
If CG2113V is 100 percent, SIN RANGE is 50 to 310.
If CG2113V is 0 percent, SIN RANGE is 130 to 230.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

IG 1X RESOLVER OUTPUT SINE

MEASUREMENT NO. 200G2112V11
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

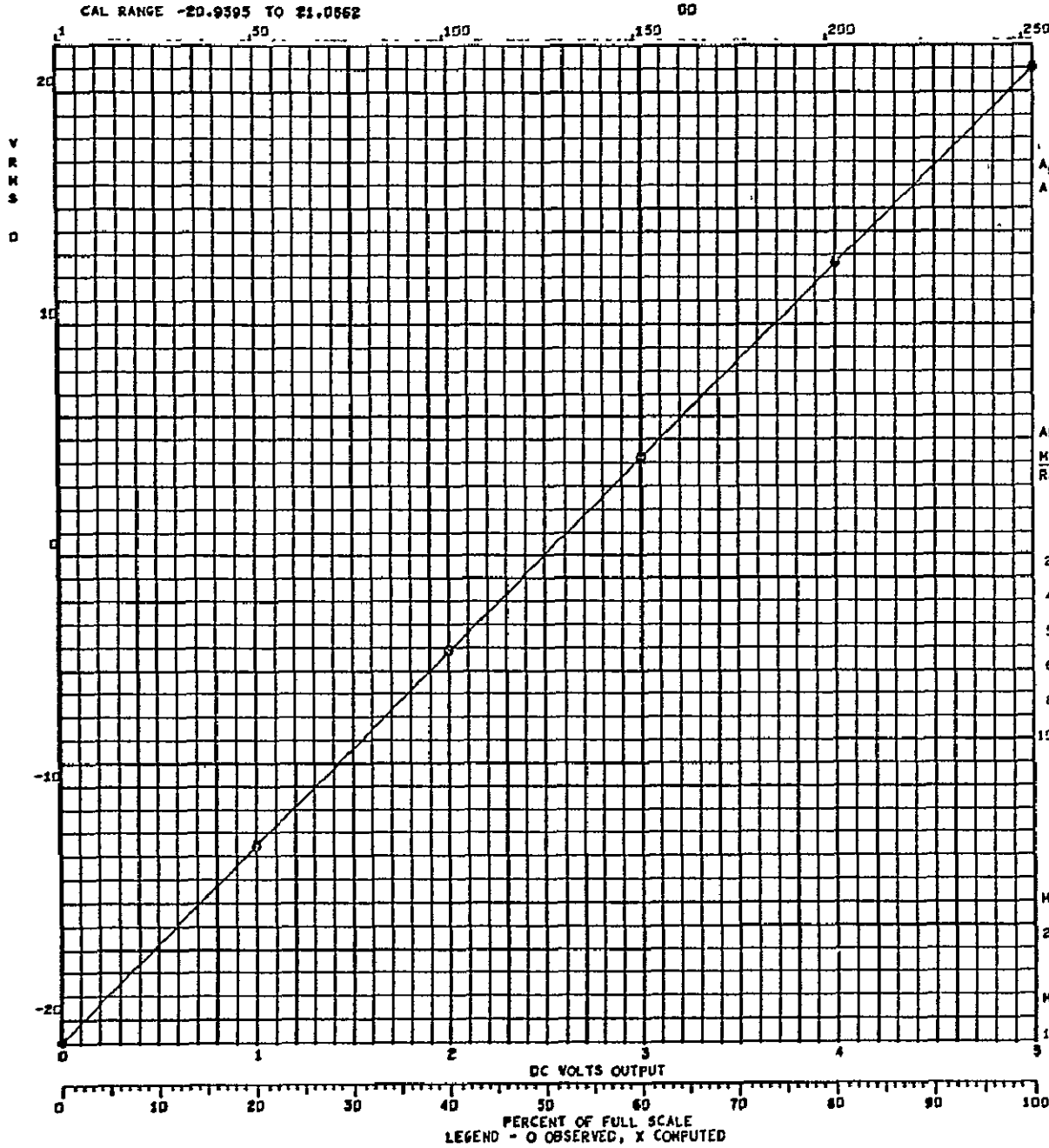
CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-51.850	38	-33.873	75	-19.039	112	-5.469	149	7.813	186	21.518	223	36.733
2	-51.297	39	-33.442	76	-18.661	113	-5.109	150	8.175	187	21.902	224	37.181
3	-50.749	40	-33.013	77	-18.285	114	-4.750	151	8.536	188	22.288	225	37.633
4	-50.206	41	-32.587	78	-17.909	115	-4.390	152	8.898	189	22.675	226	38.087
5	-49.667	42	-32.162	79	-17.534	116	-4.031	153	9.260	190	23.063	227	38.543
6	-49.132	43	-31.739	80	-17.159	117	-3.673	154	9.623	191	23.452	228	39.003
7	-48.602	44	-31.319	81	-16.786	118	-3.314	155	9.986	192	23.843	229	39.465
8	-48.076	45	-30.900	82	-16.413	119	-2.955	156	10.349	193	24.234	230	39.930
9	-47.553	46	-30.483	83	-16.041	120	-2.597	157	10.713	194	24.627	231	40.398
10	-47.035	47	-30.068	84	-15.669	121	-2.238	158	11.077	195	25.021	232	40.869
11	-46.521	48	-29.655	85	-15.298	122	-1.880	159	11.442	196	25.417	233	41.344
12	-46.011	49	-29.244	86	-14.928	123	-1.521	160	11.807	197	25.813	234	41.821
13	-45.504	50	-28.834	87	-14.559	124	-1.163	161	12.173	198	26.212	235	42.301
14	-45.001	51	-28.426	88	-14.190	125	-0.805	162	12.539	199	26.611	236	42.785
15	-44.502	52	-28.019	89	-13.821	126	-0.447	163	12.905	200	27.012	237	43.272
16	-44.006	53	-27.614	90	-13.454	127	-0.088	164	13.272	201	27.415	238	43.763
17	-43.514	54	-27.211	91	-13.086	128	0.270	165	13.640	202	27.819	239	44.257
18	-43.025	55	-26.809	92	-12.720	129	0.628	166	14.008	203	28.225	240	44.754
19	-42.540	56	-26.409	93	-12.353	130	0.986	167	14.376	204	28.632	241	45.255
20	-42.058	57	-26.010	94	-11.988	131	1.344	168	14.746	205	29.041	242	45.760
21	-41.579	58	-25.613	95	-11.622	132	1.703	169	15.115	206	29.452	243	46.268
22	-41.103	59	-25.216	96	-11.258	133	2.061	170	15.486	207	29.864	244	46.781
23	-40.631	60	-24.822	97	-10.893	134	2.419	171	15.857	208	30.278	245	47.297
24	-40.161	61	-24.428	98	-10.529	135	2.778	172	16.229	209	30.694	246	47.817
25	-39.694	62	-24.036	99	-10.166	136	3.137	173	16.601	210	31.112	247	48.341
26	-39.231	63	-23.645	100	-9.802	137	3.495	174	16.975	211	31.531	248	48.870
27	-38.770	64	-23.255	101	-9.440	138	3.854	175	17.349	212	31.953	249	49.402
28	-38.312	65	-22.867	102	-9.077	139	4.213	176	17.723	213	32.377	250	49.939
29	-37.857	66	-22.479	103	-8.715	140	4.572	177	18.099	214	32.802	251	50.480
30	-37.404	67	-22.093	104	-8.353	141	4.931	178	18.475	215	33.230	252	51.026
31	-36.954	68	-21.708	105	-7.992	142	5.291	179	18.852	216	33.660	253	51.576
32	-36.507	69	-21.323	106	-7.630	143	5.651	180	19.230	217	34.092	254	52.131
33	-36.062	70	-20.940	107	-7.270	144	6.010	181	19.609	218	34.526		
34	-35.619	71	-20.558	108	-6.909	145	6.370	182	19.989	219	34.963		
35	-35.179	72	-20.177	109	-6.548	146	6.731	183	20.370	220	35.402		
36	-34.742	73	-19.797	110	-6.188	147	7.091	184	20.751	221	35.843		
37	-34.306	74	-19.417	111	-5.828	148	7.452	185	21.134	222	36.287		

09/27/71
1 INSTALLATION DATE SEPT. 14,1960
IG 1X RESOLVER OUTPUT SINE
CAL RANGE -20.9395 TO 21.0662

SC-113

HARDWARE CALIB. NO. 78360 01 00 00
SERIAL NO. SCA 15

#21515



EQUATION COEFFICIENTS

A_0= -2.094 E 01
A_1= 8.401 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-2.094E 01
20% =-1.254E 01
40% =-4.137E 00
50% = 6.334E-02
60% = 4.264E 00
80% = 1 267E 01
100% = 2 107E 01

MEASUREMENT NO.
20DC62112V21

MEAS LOADING NO.
1102060 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

IG 1X RESOLVER OUTPUT SINE

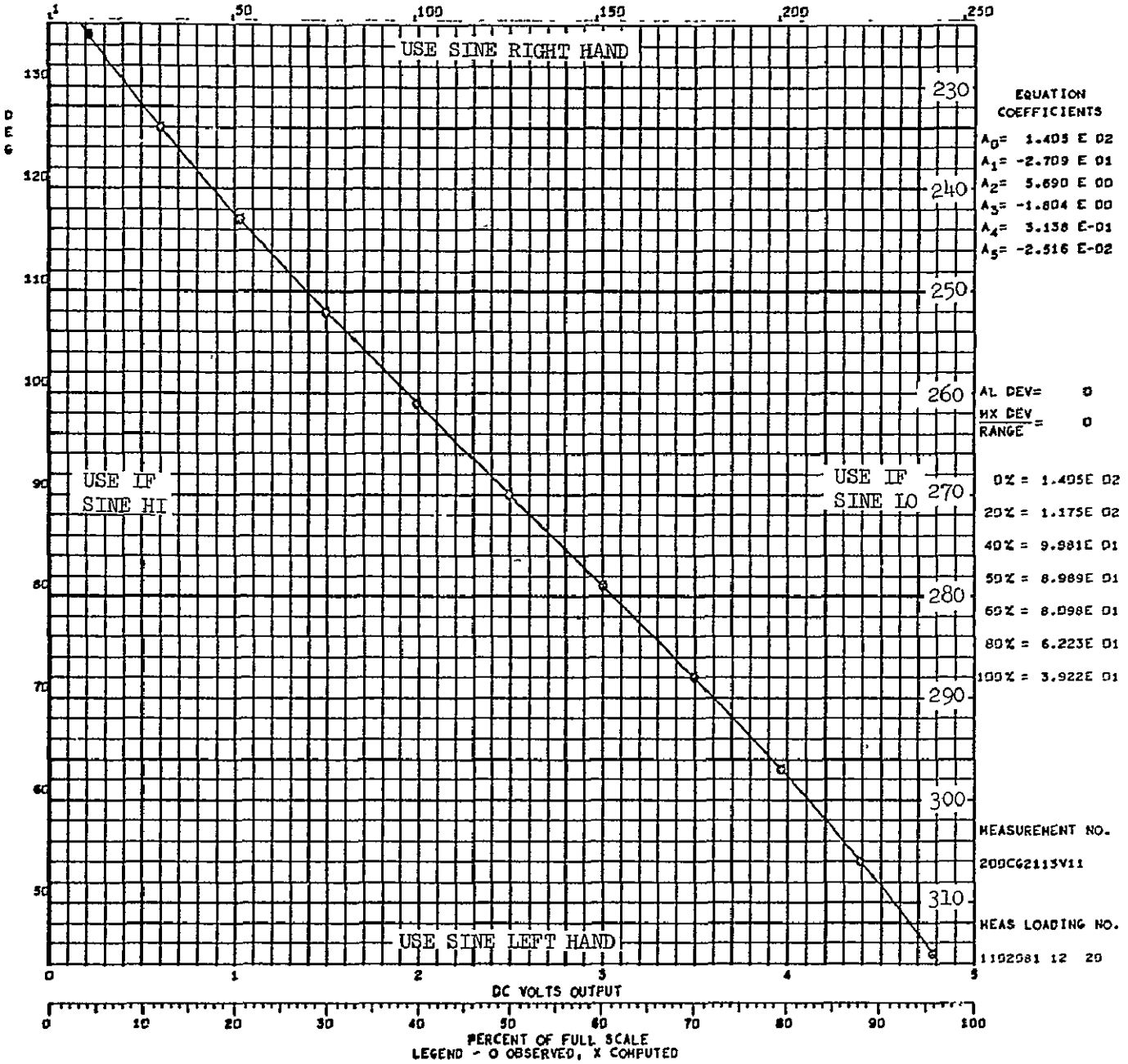
MEASUREMENT NO. 200C02112V21
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS D	CNT	VRMS D	CNT	VRMS D	CNT	VRMS D	CNT	VRMS D	CNT	VRMS D	CNT	VRMS D
1	-20.940	38	-14.796	75	-8.653	112	-2.510	149	3.633	186	9.776	223	15.919
2	-20.773	39	-14.630	76	-8.487	113	-2.344	150	3.799	187	9.942	224	16.085
3	-20.607	40	-14.464	77	-8.321	114	-2.178	151	3.965	188	10.108	225	16.251
4	-20.441	41	-14.298	78	-8.155	115	-2.012	152	4.131	189	10.274	226	16.417
5	-20.275	42	-14.132	79	-7.989	116	-1.846	153	4.297	190	10.440	227	16.583
6	-20.109	43	-13.966	80	-7.823	117	-1.680	154	4.463	191	10.606	228	16.749
7	-19.943	44	-13.800	81	-7.657	118	-1.514	155	4.629	192	10.772	229	16.915
8	-19.777	45	-13 634	82	-7.491	119	-1.348	156	4.795	193	10.938	230	17.081
9	-19.611	46	-13.468	83	-7.325	120	-1.182	157	4.961	194	11.104	231	17.247
10	-19.445	47	-13.302	84	-7.159	121	-1.016	158	5.127	195	11.270	232	17.414
11	-19.279	48	-13.136	85	-6.993	122	-0.850	159	5.293	196	11.436	233	17.580
12	-19.113	49	-12.970	86	-6.827	123	-0.684	160	5.459	197	11.602	234	17.746
13	-18.947	50	-12.804	87	-6.661	124	-0.518	161	5.625	198	11.768	235	17.912
14	-18.781	51	-12.638	88	-6.495	125	-0.352	162	5.791	199	11.935	236	18.078
15	-18.615	52	-12.472	89	-6.329	126	-0.186	163	5.957	200	12.101	237	18.244
16	-18.449	53	-12.306	90	-6.163	127	-0.020	164	6.123	201	12.267	238	18.410
17	-18.283	54	-12.140	91	-5.997	128	0.146	165	6.289	202	12.433	239	18.576
18	-18.117	55	-11.974	92	-5.831	129	0.312	166	6.456	203	12.599	240	18.742
19	-17.951	56	-11.808	93	-5.665	130	0.478	167	6.622	204	12.765	241	18.908
20	-17.785	57	-11.642	94	-5.499	131	9.644	168	6.788	205	12.931	242	19.074
21	-17.619	58	-11.476	95	-5.333	132	0.810	169	6.954	206	13.097	243	19 240
22	-17.453	59	-11.310	96	-5.167	133	0.977	170	7.120	207	13.263	244	19.406
23	-17.287	60	-11.144	97	-5.001	134	1.143	171	7.286	208	13.429	245	19.572
24	-17.121	61	-10.978	98	-4.835	135	1.309	172	7.452	209	13.595	246	19.738
25	-16.955	62	-10.812	99	-4.669	136	1.475	173	7.618	210	13.761	247	19.904
26	-16.789	63	-10 646	100	-4.502	137	1.641	174	7.784	211	13.927	248	20.070
27	-16.623	64	-10.480	101	-4.336	138	1.807	175	7.950	212	14.093	249	20 236
28	-16.457	65	-10.314	102	-4.170	139	1.973	176	8.116	213	14.259	250	20.402
29	-16.291	66	-10.148	103	-4.004	140	2.139	177	8.282	214	14.425	251	20.568
30	-16.125	67	-9.982	104	-3.838	141	2.305	178	8.448	215	14.591	252	20.734
31	-15.959	68	-9.815	105	-3.672	142	2.471	179	8.614	216	14.757	253	20.900
32	-15.793	69	-9.649	106	-3.506	143	2.637	180	8.780	217	14.923	254	21.066
33	-15 627	70	-9.483	107	-3.340	144	2.803	181	8.946	218	15.089		
34	-15.461	71	-9.317	108	-3.174	145	2.969	182	9.112	219	15.255		
35	-15.294	72	-9.151	109	-3.008	146	3.135	183	9.278	220	15.421		
36	-15.128	73	-8.985	110	-2.842	147	3.301	184	9.444	221	15.587		
37	-14.962	74	-8.819	111	-2.676	148	3.467	185	9.610	222	15.753		

09/27/71
5 INSTALLATION DATE SEPT. 14,1960
IG 1X RESOLVER OUTPUT COS
CAL RANGE 45.0012 TO 134.999

SC-113

HARDWARE CALIB. NO. 70361 01 00 00
SERIAL NO. SCA 15
#21515



EQUATION COEFFICIENTS

A_0= 1.405 E 02
A_1= -2.709 E 01
A_2= 5.690 E 00
A_3= -1.804 E 00
A_4= 3.138 E-01
A_5= -2.516 E-02

AL DEV= 0
HX DEV / RANGE = 0

0% = 1.405E 02
20% = 1.175E 02
40% = 9.981E 01
50% = 8.989E 01
60% = 8.098E 01
80% = 6.223E 01
100% = 3.922E 01

MEASUREMENT NO.
200CG2113V11

MEAS LOADING NO.
1102081 12 20

This measurement is dependent upon Measurement CG1110V
If CG2112V is 0 percent, COS Range is 220 to 320
If CG2112V is 100 percent, COS Range is 40 to 140

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

IG 1X RESOLVER OUTPUT COS

MEASUREMENT NO. 200C62113V11
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	140.454	36	123.063	75	108.624	112	95.344	149	82.325	186	68.919	223	54.120
2	139.921	39	122.645	76	108.255	113	94.991	150	81.969	187	68.544	224	53.685
3	139.392	40	122.229	77	107.887	114	94.639	151	81.614	188	68.168	225	53.247
4	138.867	41	121.815	78	107.520	115	94.287	152	81.260	189	67.790	226	52.807
5	138.347	42	121.402	79	107.153	116	93.935	153	80.905	190	67.412	227	52.364
6	137.830	43	120.992	80	106.788	117	93.583	154	80.550	191	67.032	228	51.919
7	137.318	44	120.583	81	106.422	118	93.231	155	80.194	192	66.652	229	51.471
8	136.810	45	120.177	82	106.058	119	92.880	156	79.838	193	66.270	230	51.021
9	136.305	46	119.772	83	105.694	120	92.528	157	79.482	194	65.887	231	50.567
10	135.805	47	119.368	84	105.331	121	92.177	158	79.125	195	65.503	232	50.111
11	135.308	48	118.967	85	104.969	122	91.825	159	78.768	196	65.118	233	49.652
12	134.815	49	118.567	86	104.607	123	91.474	160	78.411	197	64.732	234	49.190
13	134.325	50	118.168	87	104.245	124	91.123	161	78.053	198	64.344	235	48.724
14	133.839	51	117.771	88	103.884	125	90.771	162	77.695	199	63.955	236	48.256
15	133.356	52	117.376	89	103.524	126	90.420	163	77.336	200	63.564	237	47.785
16	132.877	53	116.982	90	103.164	127	90.069	164	76.977	201	63.172	238	47.310
17	132.401	54	116.590	91	102.805	128	89.718	165	76.618	202	62.779	239	46.832
18	131.929	55	116.199	92	102.446	129	89.367	166	76.257	203	62.384	240	46.351
19	131.459	56	115.809	93	102.087	130	89.015	167	75.897	204	61.988	241	45.866
20	130.993	57	115.421	94	101.729	131	88.664	168	75.536	205	61.590	242	45.378
21	130.529	58	115.034	95	101.372	132	88.313	169	75.174	206	61.191	243	44.886
22	130.069	59	114.648	96	101.015	133	87.961	170	74.811	207	60.790	244	44.391
23	129.612	60	114.263	97	100.658	134	87.610	171	74.449	208	60.387	245	43.892
24	129.157	61	113.880	98	100.302	135	87.258	172	74.085	209	59.983	246	43.389
25	128.705	62	113.498	99	99.946	136	86.907	173	73.721	210	59.577	247	42.882
26	128.257	63	113.117	100	99.590	137	86.555	174	73.356	211	59.169	248	42.371
27	127.810	64	112.737	101	99.235	138	86.203	175	72.991	212	58.759	249	41.857
28	127.367	65	112.358	102	98.880	139	85.851	176	72.624	213	58.348	250	41.338
29	126.926	66	111.980	103	98.525	140	85.499	177	72.257	214	57.934	251	40.815
30	126.487	67	111.604	104	98.170	141	85.147	178	71.890	215	57.519	252	40.288
31	126.051	68	111.228	105	97.816	142	84.795	179	71.521	216	57.101	253	39.756
32	125.617	69	110.853	106	97.462	143	84.442	180	71.152	217	56.682	254	39.220
33	125.186	70	110.479	107	97.109	144	84.090	181	70.782	218	56.260		
34	124.757	71	110.106	108	96.755	145	83.737	182	70.411	219	55.837		
35	124.330	72	109.734	109	96.402	146	83.384	183	70.040	220	55.411		
36	123.906	73	109.363	110	96.049	147	83.030	184	69.667	221	54.983		
37	123.483	74	108.993	111	95.696	148	82.677	185	69.294	222	54.552		

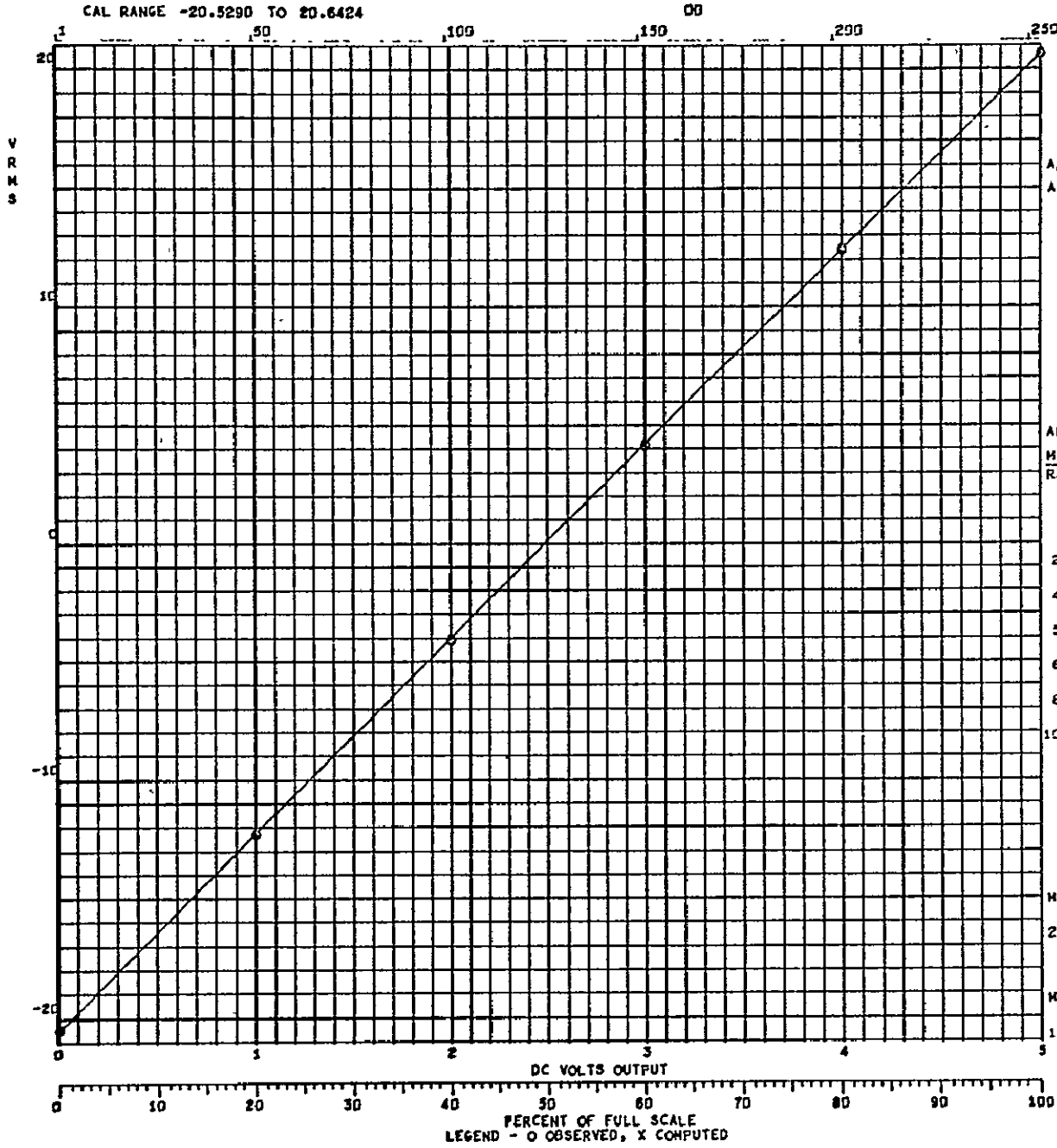
09/27/71
1 INSTALLATION DATE SEPT. 14.1960
IG 1X RESOLVER OUTPUT COS
CAL RANGE -20.5290 TO 20.6424

SC-113

HARDWARE CALIB. NO. 70362 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -2.053 E 01

A_1= 8.234 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -2.053E 01

20% = -1.229E 01

40% = -4.060E 00

50% = 5.668E-02

60% = 4.174E 00

80% = 1.241E 01

100% = 2.064E 01

MEASUREMENT NO

200CG2113V21

MEAS LOADING NO.

1102961 12 29

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

IG 1X RESOLVER OUTPUT COS

MEASUREMENT NO. 200C62113V21
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-20.529	38	-14.508	75	-8.487	112	-2.466	149	3.555	186	9.577	223	15.598
2	-20.366	39	-14.345	76	-8.324	113	-2.303	150	3.718	187	9.739	224	15.760
3	-20.204	40	-14.182	77	-8.161	114	-2.140	151	3.881	188	9.902	225	15.923
4	-20.041	41	-14.020	78	-7.999	115	-1.977	152	4.044	189	10.065	226	16.086
5	-19.878	42	-13.857	79	-7.836	116	-1.815	153	4.206	190	10.227	227	16.249
6	-19.715	43	-13.694	80	-7.673	117	-1.652	154	4.369	191	10.390	228	16.411
7	-19.553	44	-13.532	81	-7.510	118	-1.489	155	4.532	192	10.553	229	16.574
8	-19.390	45	-13.369	82	-7.348	119	-1.327	156	4.695	193	10.716	230	16.737
9	-19.227	46	-13.206	83	-7.185	120	-1.164	157	4.857	194	10.878	231	16.900
10	-19.064	47	-13.043	84	-7.022	121	-1.001	158	5.020	195	11.041	232	17.062
11	-18.902	48	-12.881	85	-6.859	122	-0.838	159	5.183	196	11.204	233	17.225
12	-18.739	49	-12.718	86	-6.697	123	-0.676	160	5.345	197	11.367	234	17.388
13	-18.576	50	-12.555	87	-6.534	124	-0.513	161	5.508	198	11.529	235	17.550
14	-18.414	51	-12.392	88	-6.371	125	-0.350	162	5.671	199	11.692	236	17.713
15	-18.251	52	-12.230	89	-6.209	126	-0.187	163	5.834	200	11.855	237	17.876
16	-18.088	53	-12.067	90	-6.046	127	-0.025	164	5.996	201	12.018	238	18.039
17	-17.925	54	-11.904	91	-5.883	128	0.138	165	6.159	202	12.180	239	18.201
18	-17.763	55	-11.741	92	-5.720	129	0.301	166	6.322	203	12.343	240	18.364
19	-17.600	56	-11.579	93	-5.558	130	0.464	167	6.485	204	12.506	241	18.527
20	-17.437	57	-11.416	94	-5.395	131	0.626	168	6.647	205	12.668	242	18.690
21	-17.274	58	-11.253	95	-5.232	132	0.789	169	6.810	206	12.831	243	18.852
22	-17.112	59	-11.091	96	-5.069	133	0.952	170	6.973	207	12.994	244	19.015
23	-16.949	60	-10.928	97	-4.907	134	1.114	171	7.136	208	13.157	245	19.178
24	-16.786	61	-10.765	98	-4.744	135	1.277	172	7.298	209	13.319	246	19.341
25	-16.623	62	-10.602	99	-4.581	136	1.440	173	7.461	210	13.482	247	19.503
26	-16.461	63	-10.440	100	-4.418	137	1.603	174	7.624	211	13.645	248	19.666
27	-16.298	64	-10.277	101	-4.256	138	1.765	175	7.786	212	13 808	249	19.829
28	-16.135	65	-10.114	102	-4.093	139	1.928	176	7.949	213	13.970	250	19.991
29	-15.973	66	-9.951	103	-3.930	140	2.091	177	8.112	214	14.133	251	20.154
30	-15.810	67	-9.789	104	-3.768	141	2.254	178	8.275	215	14.296	252	20.317
31	-15.647	68	-9.626	105	-3.605	142	2.416	179	8.437	216	14.459	253	20.480
32	-15.484	69	-9.463	106	-3.442	143	2.579	180	8.600	217	14.621	254	20.642
33	-15.322	70	-9.300	107	-3.279	144	2.742	181	8.763	218	14.784		
34	-15.159	71	-9.138	108	-3.117	145	2.905	182	8.926	219	14.947		
35	-14.996	72	-8.975	109	-2.954	146	3.067	183	9.088	220	15.109		
36	-14.833	73	-8.812	110	-2.791	147	3.230	184	9.251	221	15.272		
37	-14.671	74	-8.650	111	-2.628	148	3.393	185	9.414	222	15.435		

09/27/71

INSTALLATION DATE SEPT. 14,1960

IGA SERVO ERROR IN PHASE

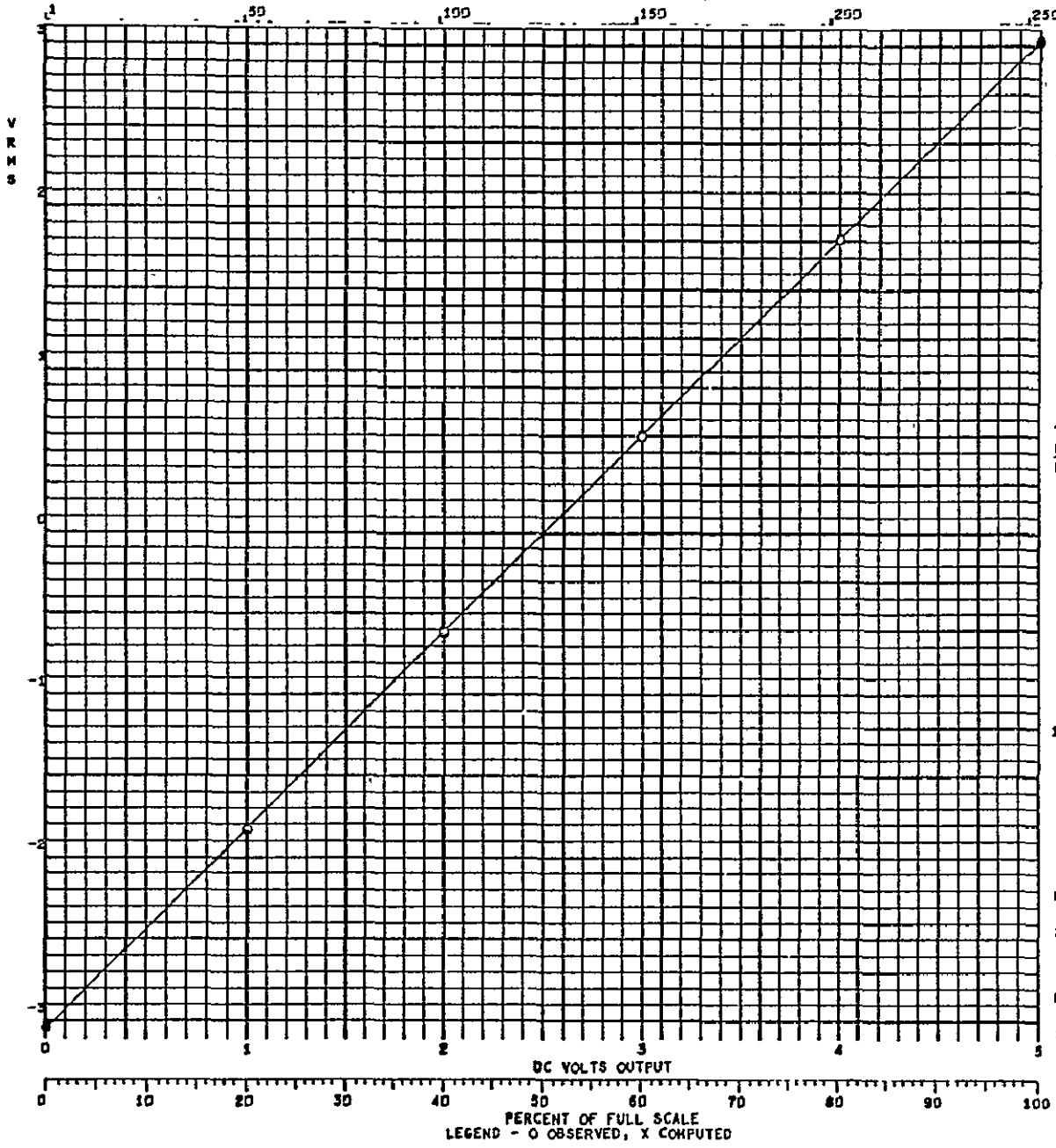
CAL RANGE -3.04052 TO 3.03019

SC-113

HARDWARE CALIB. NO. 78363 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -3.041 E 00

A_1= 1.214 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -3.041E 00

20% = -1.826E 00

40% = -6.122E-01

50% = -5.167E-03

60% = 6.019E-01

80% = 1.816E 00

100% = 3.030E 00

MEASUREMENT NO.

200C62117V01

MEAS LOADING NO.

129191- 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

IGA SERVO ERROR IN PHASE

MEASUREMENT NO. 2DOCG2117V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

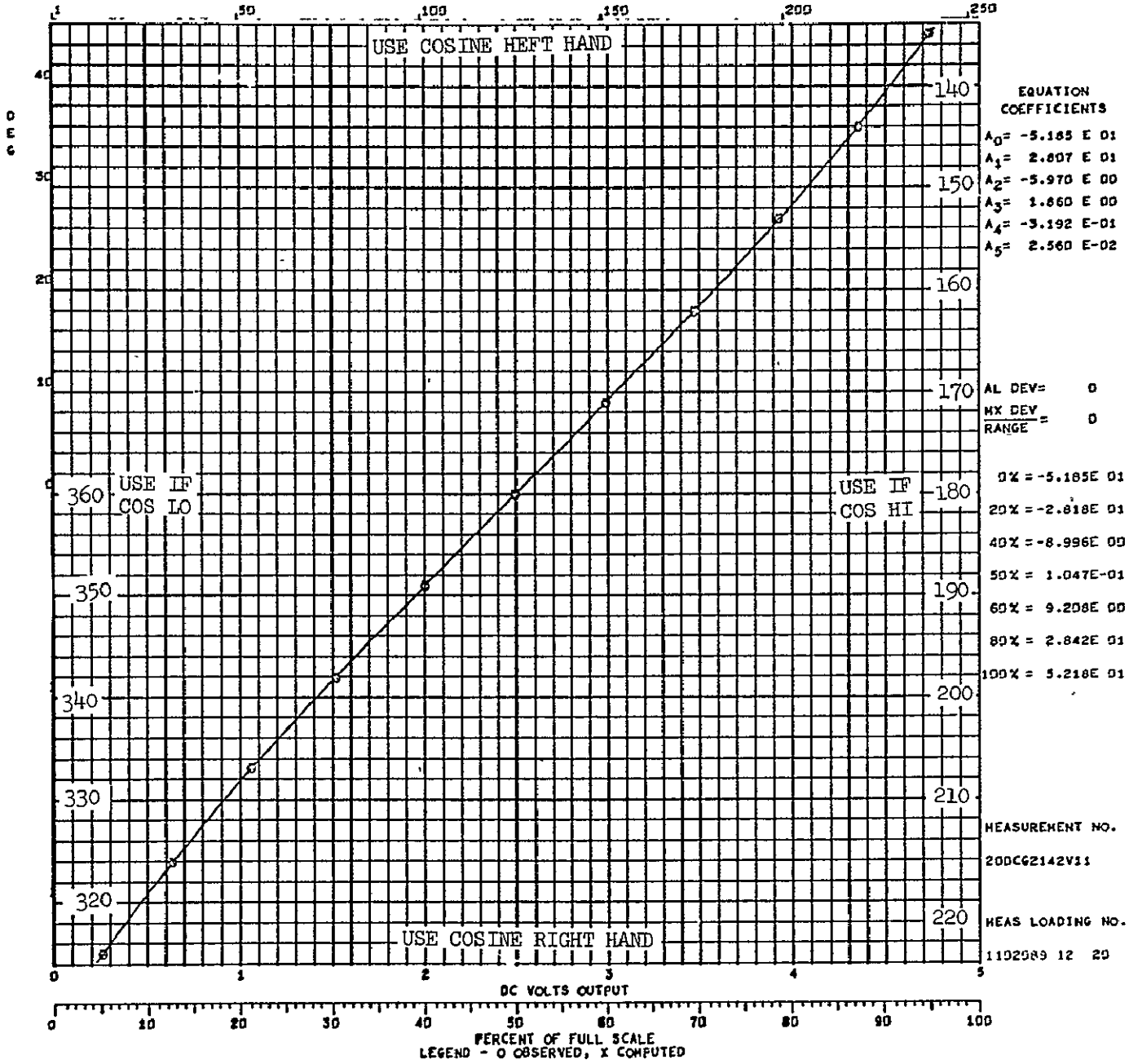
CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-3.041	38	-2.153	75	-1.265	112	-0.377	149	0.511	186	1.399	223	2.286
2	-3 017	39	-2.129	76	-1.241	113	-0.353	150	0.535	187	1.423	224	2.310
3	-2.993	40	-2.105	77	-1.217	114	-0.329	151	0.559	188	1.447	225	2.334
4	-2.969	41	-2.081	78	-1.193	115	-0.305	152	0.583	189	1.471	226	2.358
5	-2.945	42	-2.057	79	-1.169	116	-0.281	153	0.607	190	1.495	227	2.382
6	-2.921	43	-2.033	80	-1.145	117	-0.257	154	0.631	191	1.519	228	2.406
7	-2.897	44	-2.009	81	-1.121	118	-0.233	155	0.655	192	1.543	229	2.430
8	-2.873	45	-1.985	82	-1.097	119	-0.209	156	0.679	193	1.567	230	2.454
9	-2.849	46	-1.961	83	-1.073	120	-0.185	157	0.703	194	1.590	231	2.478
10	-2.825	47	-1.937	84	-1.049	121	-0.161	158	0.727	195	1.614	232	2.502
11	-2.801	48	-1.913	85	-1.025	122	-0.137	159	0.751	196	1.638	233	2.526
12	-2.777	49	-1.889	86	-1.001	123	-0.113	160	0.775	197	1.662	234	2.550
13	-2.753	50	-1.865	87	-0.977	124	-0.089	161	0.799	198	1.686	235	2.574
14	-2.729	51	-1.841	88	-0.953	125	-0.065	162	0.823	199	1.710	236	2.598
15	-2.705	52	-1.817	89	-0.929	126	-0.041	163	0.847	200	1.734	237	2.622
16	-2.681	53	-1.793	90	-0.905	127	-0.017	164	0.871	201	1.758	238	2.646
17	-2.657	54	-1.769	91	-0.881	128	0.007	165	0.895	202	1.782	239	2.670
18	-2.633	55	-1.745	92	-0.857	129	0.031	166	0.919	203	1.806	240	2.694
19	-2.609	56	-1.721	93	-0.833	130	0.055	167	0.943	204	1.830	241	2.718
20	-2.585	57	-1.697	94	-0.809	131	0.079	168	0.967	205	1.854	242	2.742
21	-2.561	58	-1.673	95	-0.785	132	0.103	169	0.991	206	1.878	243	2.766
22	-2.537	59	-1.649	96	-0.761	133	0.127	170	1.015	207	1.902	244	2.790
23	-2.513	60	-1.625	97	-0.737	134	0.151	171	1.039	208	1.926	245	2.814
24	-2.489	61	-1.601	98	-0.713	135	0.175	172	1.063	209	1.950	246	2.838
25	-2.465	62	-1.577	99	-0.689	136	0.199	173	1.087	210	1.974	247	2.862
26	-2.441	63	-1.553	100	-0.665	137	0.223	174	1.111	211	1.998	248	2.886
27	-2.417	64	-1.529	101	-0.641	138	0.247	175	1.135	212	2.022	249	2.910
28	-2.393	65	-1.505	102	-0.617	139	0.271	176	1.159	213	2 046	250	2.934
29	-2.369	66	-1.481	103	-0.593	140	0.295	177	1.183	214	2.070	251	2.958
30	-2.345	67	-1.457	104	-0.569	141	0.319	178	1.207	215	2 094	252	2.982
31	-2.321	68	-1.433	105	-0.545	142	0.343	179	1.231	216	2.118	253	3.006
32	-2.297	69	-1.409	106	-0.521	143	0.367	180	1.255	217	2.142	254	3.030
33	-2.273	70	-1.385	107	-0.497	144	0.391	181	1.279	218	2.166		
34	-2.249	71	-1.361	108	-0.473	145	0.415	182	1.303	219	2.190		
35	-2.225	72	-1.337	109	-0.449	146	0.439	183	1.327	220	2.214		
36	-2.201	73	-1.313	110	-0.425	147	0.463	184	1.351	221	2.238		
37	-2.177	74	-1.289	111	-0.401	148	0.487	185	1.375	222	2.262		

09/27/71
5 INSTALLATION DATE SEPT. 14,1960
NG 1X RESOLVER OUTPUT SINE
CAL RANGE -44.9977 TO 44.9911

SC-113

HARDWARE CALIB. NO. 78364 01 00 00
SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -5.185 E 01
A_1= 2.807 E 01
A_2= -5.970 E 00
A_3= 1.660 E 00
A_4= -3.192 E-01
A_5= 2.560 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% = -5.185E 01
20% = -2.818E 01
40% = -8.996E 00
50% = 1.047E-01
60% = 9.208E 00
80% = 2.842E 01
100% = 5.218E 01

MEASUREMENT NO.
200CG2142V11

MEAS LOADING NO.
1102089 12 20

This calibration is dependent upon measurement CG1110V
If CG2143V is 100 percent, Sine Range is 50 to 310
If CG2143V is 0 percent, Sine Range is 130 to 230

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

NG 1X RESOLVER OUTPUT SINE

MEASUREMENT NO. 200CG2142V11
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-51.848	38	-33.872	75	-19.035	112	-5.458	149	7.832	186	21.546	223	36.770
2	-51.296	39	-33.441	76	-18.657	113	-5.098	150	8.194	187	21.931	224	37.219
3	-50.748	40	-33.012	77	-18.281	114	-4.739	151	8.556	188	22.317	225	37.671
4	-50.204	41	-32.586	78	-17.905	115	-4.379	152	8.918	189	22.704	226	38.125
5	-49.665	42	-32.161	79	-17.529	116	-4.020	153	9.281	190	23.092	227	38.582
6	-49.131	43	-31.738	80	-17.155	117	-3.661	154	9.644	191	23.482	228	39.042
7	-48.600	44	-31.318	81	-16.781	118	-3.302	155	10.007	192	23.872	229	39.504
8	-48.074	45	-30.899	82	-16.408	119	-2.943	156	10.370	193	24.264	230	39.970
9	-47.552	46	-30.482	83	-16.036	120	-2.584	157	10.735	194	24.657	231	40.438
10	-47.034	47	-30.067	84	-15.664	121	-2.226	158	11.099	195	25.052	232	40.909
11	-46.520	48	-29.654	85	-15.293	122	-1.867	159	11.464	196	25.447	233	41.384
12	-46.009	49	-29.242	86	-14.923	123	-1.508	160	11.829	197	25.844	234	41.862
13	-45.503	50	-28.832	87	-14.553	124	-1.150	161	12.195	198	26.243	235	42.342
14	-45.000	51	-28.424	88	-14.184	125	-0.791	162	12.561	199	26.643	236	42.826
15	-44.501	52	-28.018	89	-13.815	126	-0.433	163	12.928	200	27.044	237	43.314
16	-44.005	53	-27.613	90	-13.447	127	-0.075	164	13.295	201	27.447	238	43.805
17	-43.513	54	-27.209	91	-13.080	128	0.284	165	13.663	202	27.851	239	44.299
18	-43.024	55	-26.807	92	-12.713	129	0.642	166	14.031	203	28.257	240	44.797
19	-42.539	56	-26.407	93	-12.347	130	1.001	167	14.400	204	28.665	241	45.298
20	-42.057	57	-26.008	94	-11.981	131	1.359	168	14.770	205	29.074	242	45.803
21	-41.578	58	-25.611	95	-11.615	132	1.718	169	15.140	206	29.485	243	46.312
22	-41.102	59	-25.214	96	-11.250	133	2.076	170	15.510	207	29.897	244	46.825
23	-40.630	60	-24.819	97	-10.886	134	2.435	171	15.882	208	30.312	245	47.341
24	-40.160	61	-24.426	98	-10.522	135	2.794	172	16.254	209	30.728	246	47.862
25	-39.693	62	-24.034	99	-10.158	136	3.153	173	16.627	210	31.146	247	48.387
26	-39.230	63	-23.643	100	-9.794	137	3.512	174	17.000	211	31.566	248	48.915
27	-38.769	64	-23.253	101	-9.431	138	3.871	175	17.374	212	31.988	249	49.448
28	-38.311	65	-22.864	102	-9.069	139	4.230	176	17.749	213	32.411	250	49.986
29	-37.856	66	-22.476	103	-8.706	140	4.589	177	18.125	214	32.837	251	50.527
30	-37.403	67	-22.090	104	-8.344	141	4.949	178	18.502	215	33.265	252	51.073
31	-36.953	68	-21.705	105	-7.983	142	5.309	179	18.879	216	33.696	253	51 624
32	-36.506	69	-21.320	106	-7.621	143	5.668	180	19.257	217	34.128	254	52.179
33	-36.061	70	-20.937	107	-7.260	144	6.028	181	19.636	218	34.562		
34	-35.618	71	-20.555	108	-6.899	145	6.389	182	20.016	219	34.999		
35	-35.178	72	-20.175	109	-6.539	146	6.749	183	20.397	220	35.438		
36	-34.741	73	-19.795	110	-6.178	147	7.110	184	20.779	221	35 880		
37	-34.305	74	-19.414	111	-5.818	148	7.471	185	21.162	222	36.324		

09/27/71

1 INSTALLATION DATE SEPT. 14,1960

MG 1X RESOLVER OUTPUT SINE

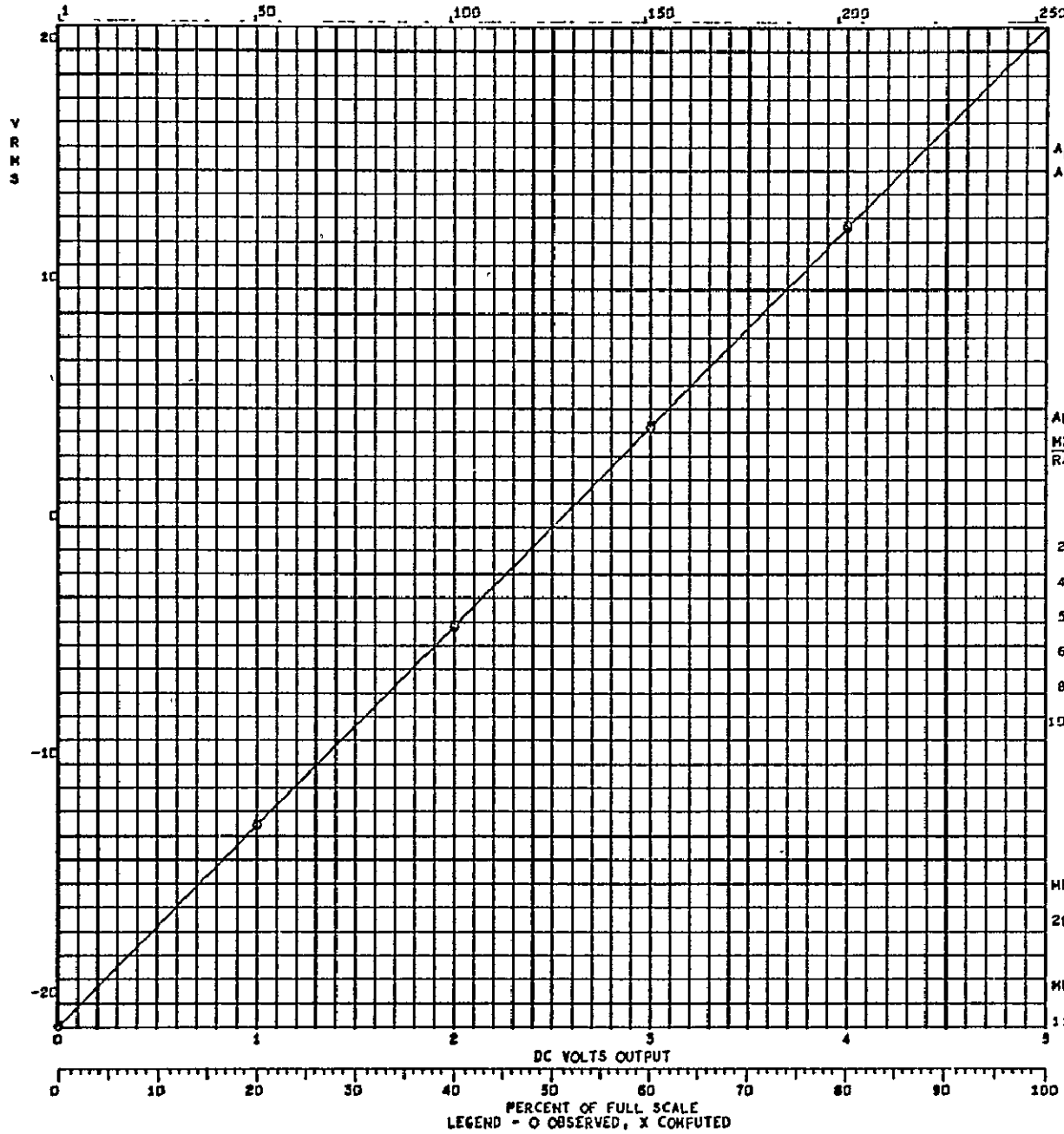
CAL RANGE -20.9495 TO 21.0662

SC-113

HARDWARE CALIB. NO. 78365 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -2.095 E 01

A_1= 8.403 E 00

AL DEV= 0

MX DEV / RANGE = 0

0 % =-2.095E 01

20 % =-1.255E 01

40 % =-4.143E 00

50 % = 5.835E-02

60 % = 4.260E 00

80 % = 1.266E 01

100 % = 2.107E 01

MEASUREMENT NO.

200CG2142V21

MEAS LOADING NO.

1102089 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

MG 1X RESOLVER OUTPUT SINE

MEASUREMENT NO. 200CG2142V21
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

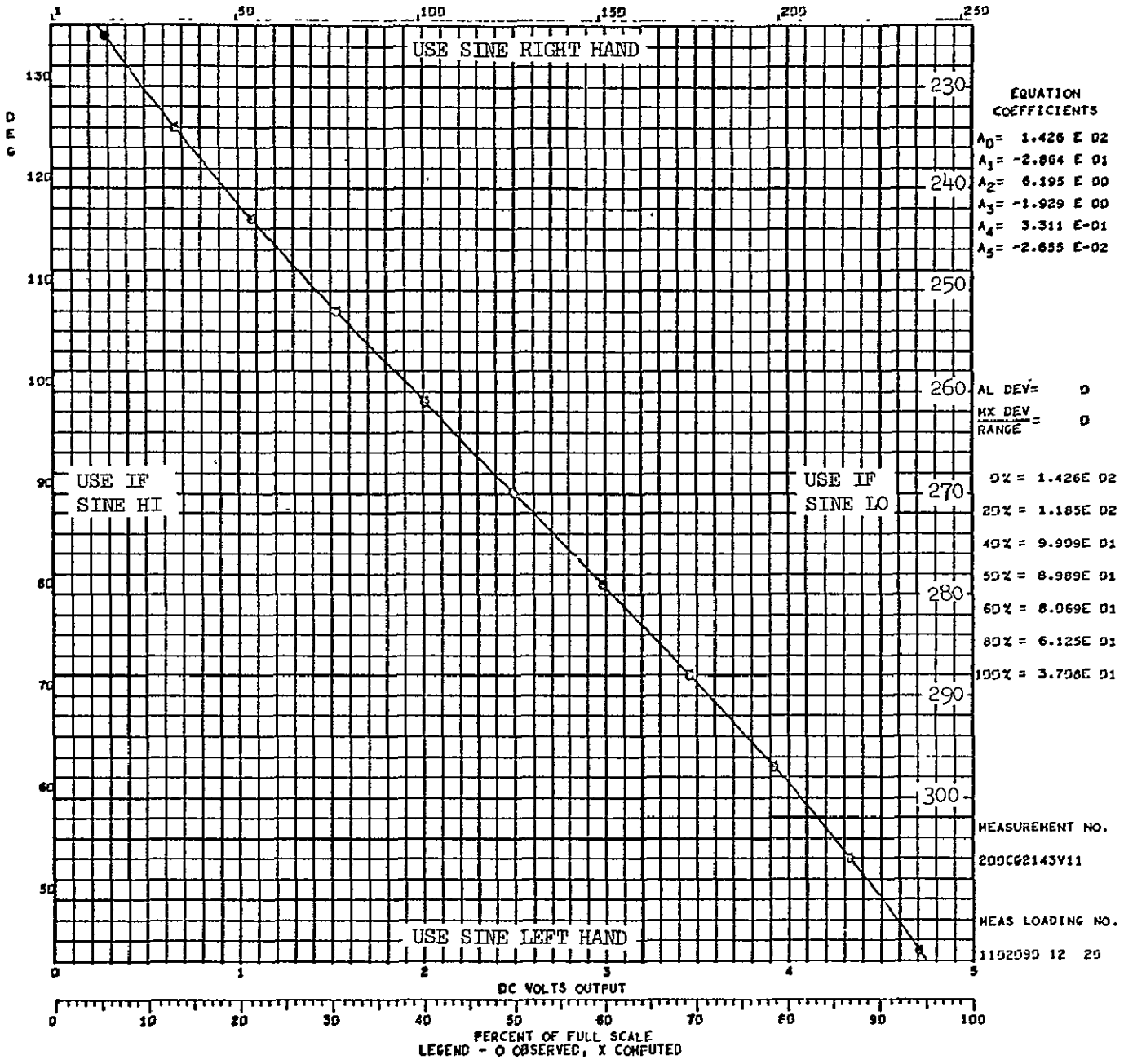
CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-20.950	38	-14.805	75	-8.660	112	-2.516	149	3.629	186	9.773	223	15.918
2	-20.783	39	-14.639	76	-8.494	113	-2.350	150	3.795	187	9.940	224	16.084
3	-20.617	40	-14.473	77	-8.328	114	-2.184	151	3.961	188	10.106	225	16.250
4	-20.451	41	-14.307	78	-8.162	115	-2.018	152	4.127	189	10.272	226	16.416
5	-20.285	42	-14.141	79	-7.996	116	-1.851	153	4.293	190	10.438	227	16.582
6	-20.119	43	-13.975	80	-7.830	117	-1.685	154	4.459	191	10.604	228	16.748
7	-19.953	44	-13.808	81	-7.664	118	-1.519	155	4.625	192	10.770	229	16.914
8	-19.787	45	-13.642	82	-7.498	119	-1.353	156	4.791	193	10.936	230	17.081
9	-19.621	46	-13.476	83	-7.332	120	-1.187	157	4.957	194	11.102	231	17.247
10	-19.455	47	-13.310	84	-7.166	121	-1.021	158	5.123	195	11.268	232	17.413
11	-19.289	48	-13.144	85	-7.000	122	-0.855	159	5.290	196	11.434	233	17.579
12	-19.123	49	-12.978	86	-6.834	123	-0.689	160	5.456	197	11.600	234	17.745
13	-18.957	50	-12.812	87	-6.667	124	-0.523	161	5.622	198	11.766	235	17.911
14	-18.791	51	-12.646	88	-6 501	125	-0.357	162	5.788	199	11.932	236	18.077
15	-18.625	52	-12.480	89	-6.335	126	-0.191	163	5.954	200	12.098	237	18.243
16	-18.458	53	-12.314	90	-6.169	127	-0.025	164	6.120	201	12.264	238	18.409
17	-18.292	54	-12.148	91	-6.003	128	0.141	165	6.286	202	12.431	239	18.575
18	-18.126	55	-11.982	92	-5.837	129	0.307	166	6.452	203	12.597	240	18.741
19	-17.960	56	-11.816	93	-5.671	130	0.474	167	6.618	204	12.763	241	18.907
20	-17.794	57	-11.650	94	-5.505	131	0.640	168	6.784	205	12.929	242	19.073
21	-17.628	58	-11.484	95	-5.339	132	0.806	169	6.950	206	13.095	243	19.239
22	-17.462	59	-11.317	96	-5.173	133	0.972	170	7.116	207	13.261	244	19.406
23	-17.296	60	-11.151	97	-5.007	134	1.138	171	7.282	208	13.427	245	19.572
24	-17.130	61	-10.985	98	-4.841	135	1.304	172	7.448	209	13.593	246	19.738
25	-16.964	62	-10.819	99	-4.675	136	1.470	173	7.615	210	13.759	247	19.904
26	-16.798	63	-10.653	100	-4.509	137	1.636	174	7.781	211	13.925	248	20.070
27	-16.632	64	-10.487	101	-4.343	138	1.802	175	7.947	212	14.091	249	20.236
28	-16.466	65	-10.321	102	-4.176	139	1.968	176	8.113	213	14.257	250	20.402
29	-16.300	66	-10.155	103	-4.010	140	2.134	177	8.279	214	14.423	251	20.568
30	-16.133	67	-9.989	104	-3.844	141	2.300	178	8.445	215	14.589	252	20.734
31	-15.967	68	-9.823	105	-3.678	142	2.466	179	8.611	216	14.756	253	20.900
32	-15.801	69	-9.657	106	-3.512	143	2.632	180	8.777	217	14.922	254	21.066
33	-15.635	70	-9.491	107	-3.346	144	2.798	181	8.943	218	15.088		
34	-15.469	71	-9.325	108	-3.180	145	2.965	182	9.109	219	15.254		
35	-15.303	72	-9.159	109	-3.014	146	3.131	183	9.275	220	15.420		
36	-15.137	73	-8.992	110	-2.848	147	3.297	184	9.441	221	15.586		
37	-14.971	74	-8.826	111	-2.682	148	3.463	185	9.607	222	15.752		

09/27/71
$ INSTALLATION DATE SEPT. 14,1960
MG 1X RESOLVER OUTPUT COS
CAL RANGE 45.0025 TO 134.998

SC-113

HARDWARE CALIB. NO. 78366 01 00 00
SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= 1.426 E 02
A_1= -2.864 E 01
A_2= 6.195 E 00
A_3= -1.929 E 00
A_4= 3.311 E-01
A_5= -2.655 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% = 1.426E 02
20% = 1.185E 02
40% = 9.999E 01
50% = 8.989E 01
60% = 8.069E 01
80% = 6.125E 01
100% = 3.798E 01

MEASUREMENT NO.
209CG2143V11

MEAS LOADING NO.
1102099 12 29

This calibration is dependent upon measurement CG1110V
If CG2142V is 0 percent, COS Range is 220 to 320
If CG2142V is 100 percent, COS Range is 40 to 140

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

MG 1X RESOLVER OUTPUT COS

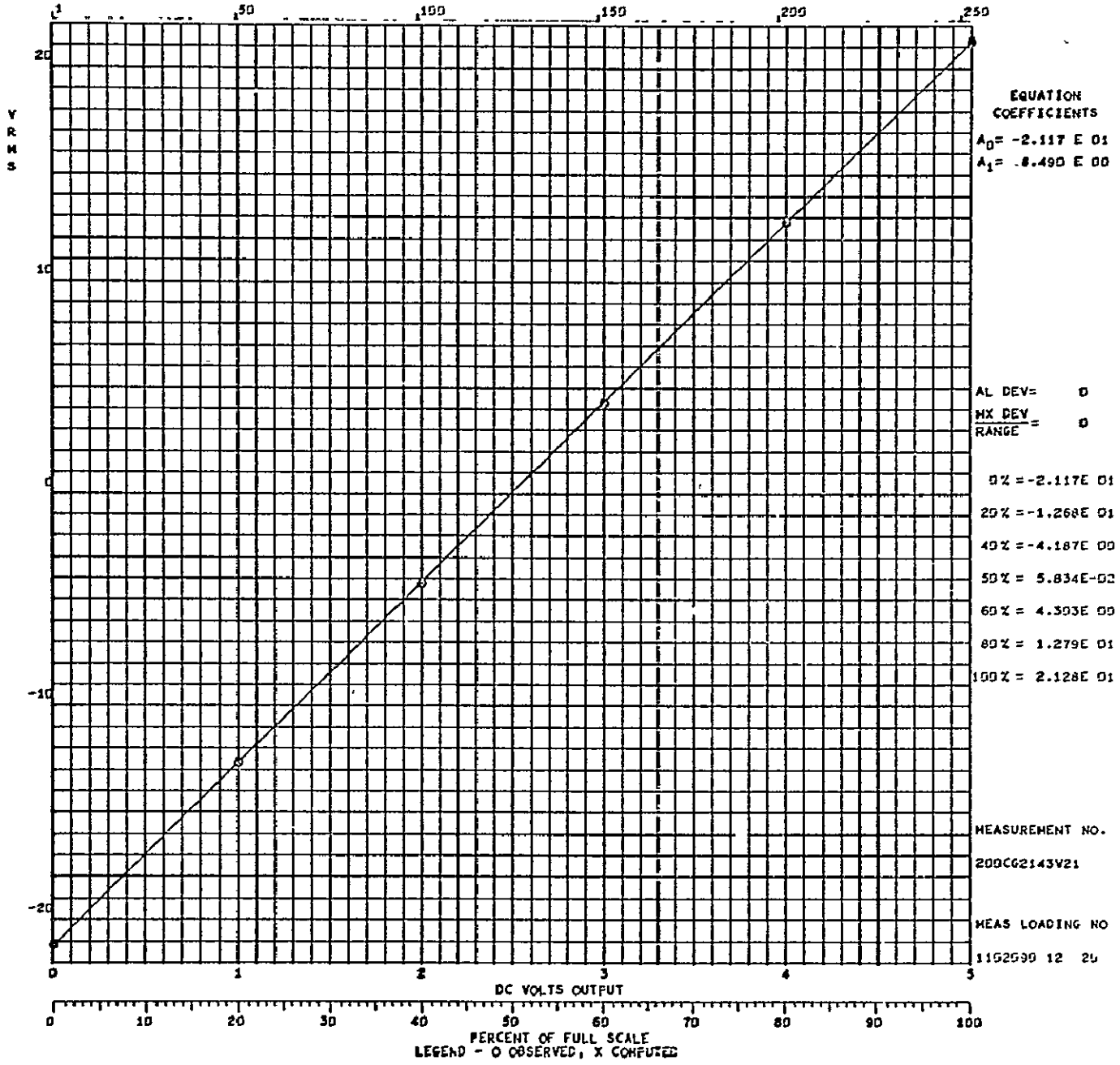
MEASUREMENT NO. 200CG2143V11
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	142.571	38	124.277	75	109.240	112	95.511	149	82.081	186	68.211	223	52.773
2	142.008	39	123.839	76	108.858	113	95.148	150	81.715	187	67.821	224	52.317
3	141.449	40	123.404	77	108.477	114	94.784	151	81.349	188	67.430	225	51.858
4	140.895	41	122.971	78	108.096	115	94.421	152	80.983	189	67.038	226	51.396
5	140.345	42	122.540	79	107.716	116	94.058	153	80.617	190	66.645	227	50.932
6	139.800	43	122.111	80	107.337	117	93.695	154	80.250	191	66.251	228	50.465
7	139.259	44	121.684	81	106.959	118	93.332	155	79.883	192	65.855	229	49.994
8	138.723	45	121.259	82	106.582	119	92.970	156	79.515	193	65.458	230	49.521
9	138.191	46	120.837	83	106.205	120	92.607	157	79.147	194	65.060	231	49.045
10	137.663	47	120.416	84	105.830	121	92.245	158	78.779	195	64.661	232	48.565
11	137.139	48	119.996	85	105.454	122	91.882	159	78.410	196	64.260	233	48.083
12	136.619	49	119.579	86	105.080	123	91.520	160	78.041	197	63.858	234	47.597
13	136.103	50	119.164	87	104.706	124	91.158	161	77.671	198	63.454	235	47.108
14	135.591	51	118.750	88	104.333	125	90.796	162	77.301	199	63.049	236	46.615
15	135.083	52	118.338	89	103.960	126	90.433	163	76.930	200	62.642	237	46.119
16	134.578	53	117.927	90	103.588	127	90.071	164	76.558	201	62.234	238	45.619
17	134.077	54	117.518	91	103.216	128	89.709	165	76.186	202	61.824	239	45.116
18	133.580	55	117.111	92	102.845	129	89.347	166	75.814	203	61.412	240	44.609
19	133.086	56	116.705	93	102.475	130	88.985	167	75.441	204	60.999	241	44.099
20	132.595	57	116.301	94	102.105	131	88.622	168	75.067	205	60.584	242	43.584
21	132.108	58	115.898	95	101.735	132	88.260	169	74.693	206	60.168	243	43.066
22	131.624	59	115.497	96	101.366	133	87.898	170	74.318	207	59.749	244	42.544
23	131.143	60	115.097	97	100.998	134	87.535	171	73.942	208	59.329	245	42.017
24	130.666	61	114.698	98	100.629	135	87.173	172	73.566	209	58.907	246	41.487
25	130.191	62	114.301	99	100.262	136	86 810	173	73.189	210	58.483	247	40.952
26	129.720	63	113.904	100	99.894	137	86.447	174	72.811	211	58.057	248	40.413
27	129.251	64	113.510	101	99.527	138	86.084	175	72.433	212	57.629	249	39.870
28	128.786	65	113.116	102	99.161	139	85.721	176	72.053	213	57.199	250	39.322
29	128.323	66	112.724	103	98.794	140	85.358	177	71.673	214	56.767	251	38.769
30	127.863	67	112.332	104	98.429	141	84.995	178	71.292	215	56.332	252	38.212
31	127.406	68	111.942	105	98.063	142	84.631	179	70.910	216	55.896	253	37.651
32	126.951	69	111.553	106	97.698	143	84.268	180	70.528	217	55.457	254	37.084
33	126.499	70	111.165	107	97.333	144	83.904	181	70.144	218	55.015		
34	126.050	71	110.778	108	96.968	145	83.540	182	69.759	219	54.572		
35	125.603	72	110.392	109	96.603	146	83.175	183	69.374	220	54.126		
36	125.159	73	110.007	110	96.239	147	82.811	184	68.987	221	53.678		
37	124.716	74	109.623	111	95.875	148	82.446	185	68.600	222	53.227		

09/27/71
1 INSTALLATION DATE SEPT. 14,1969
NG 1X RESOLVER OUTPUT COS
CAL RANGE -21.1667 TO 21.2833

SC-113

HARDWARE CALIB. NO. 78367 01 00 00
SERIAL NO. SCA 15
#21515



EQUATION COEFFICIENTS
A_0= -2.117 E 01
A_1= .8.490 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-2.117E 01
25% =-1.268E 01
40% =-4.187E 00
50% = 5.834E-02
60% = 4.303E 00
80% = 1.279E 01
100% = 2.128E 01

MEASUREMENT NO.
200CG2143V21

MEAS LOADING NO
1192090 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

MG 1X RESOLVER OUTPUT COS

MEASUREMENT NO. 200CG2143V21
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-21.167	38	-14.959	75	-8.750	112	-2.542	149	3.666	186	9.874	223	16.082
2	-20.999	39	-14.791	76	-8.583	113	-2.375	150	3.834	187	10.042	224	16.250
3	-20.831	40	-14.623	77	-8.415	114	-2.207	151	4.001	188	10.209	225	16.418
4	-20.663	41	-14.455	78	-8.247	115	-2.039	152	4.169	189	10.377	226	16.585
5	-20.496	42	-14.287	79	-8.079	116	-1.871	153	4.337	190	10.545	227	16.753
6	-20.328	43	-14.120	80	-7.912	117	-1.703	154	4.505	191	10.713	228	16.921
7	-20.160	44	-13.952	81	-7.744	118	-1.536	155	4.672	192	10.881	229	17.089
8	-19.992	45	-13.784	82	-7.576	119	-1.368	156	4.840	193	11.048	230	17.256
9	-19.824	46	-13.616	83	-7.408	120	-1.200	157	5.008	194	11.216	231	17.424
10	-19.657	47	-13.448	84	-7.240	121	-1.032	158	5.176	195	11.384	232	17.592
11	-19.489	48	-13.281	85	-7.073	122	-0.864	159	5.344	196	11.552	233	17.760
12	-19.321	49	-13.113	86	-6.905	123	-0.697	160	5.511	197	11.720	234	17.928
13	-19.153	50	-12.945	87	-6.737	124	-0.529	161	5.679	198	11.887	235	18.095
14	-18.985	51	-12.777	88	-6.569	125	-0.361	162	5.847	199	12.055	236	18.263
15	-18.818	52	-12.610	89	-6.401	126	-0.193	163	6.015	200	12.223	237	18.431
16	-18.650	53	-12.442	90	-6.234	127	-0.026	164	6.183	201	12.391	238	18.599
17	-18.482	54	-12.274	91	-6.066	128	0.142	165	6.350	202	12.558	239	18.767
18	-18.314	55	-12.106	92	-5.898	129	0.310	166	6.518	203	12.726	240	18.934
19	-18.146	56	-11.938	93	-5.730	130	0.478	167	6.686	204	12.894	241	19.102
20	-17.979	57	-11.771	94	-5.563	131	0.646	168	6.854	205	13.062	242	19.270
21	-17.811	58	-11.603	95	-5.395	132	0.813	169	7.021	206	13.230	243	19.438
22	-17.643	59	-11.435	96	-5.227	133	0.981	170	7.189	207	13.397	244	19.605
23	-17.475	60	-11.267	97	-5.059	134	1.149	171	7.357	208	13.565	245	19.773
24	-17.308	61	-11.099	98	-4.891	135	1.317	172	7.525	209	13.733	246	19.941
25	-17.140	62	-10.932	99	-4.724	136	1.485	173	7.693	210	13.901	247	20.109
26	-16.972	63	-10.764	100	-4.556	137	1.652	174	7.860	211	14.069	248	20 277
27	-16.804	64	-10.596	101	-4.388	138	1.820	175	8.028	212	14.236	249	20.444
28	-16.636	65	-10.428	102	-4.220	139	1.988	176	8.196	213	14.404	250	20.612
29	-16.469	66	-10.261	103	-4.052	140	2.156	177	8.364	214	14.572	251	20.780
30	-16.301	67	-10.093	104	-3.885	141	2.323	178	8.532	215	14.740	252	20.948
31	-16.133	68	-9.925	105	-3.717	142	2.491	179	8.699	216	14.907	253	21.116
32	-15.965	69	-9.757	106	-3.549	143	2.659	180	8.867	217	15.075	254	21.283
33	-15.797	70	-9.589	107	-3.381	144	2.827	181	9.035	218	15.243		
34	-15.630	71	-9.422	108	-3.213	145	2.995	182	9.203	219	15 411		
35	-15.462	72	-9.254	109	-3.046	146	3.162	183	9.370	220	15.579		
36	-15.294	73	-9.086	110	-2.878	147	3.330	184	9.538	221	15.746		
37	-15.126	74	-8.918	111	-2.710	148	3.498	185	9.706	222	15.914		

09/27/71

1 INSTALLATION DATE SEPT. 14,1960

MGA SERVO ERROR IN PHASE

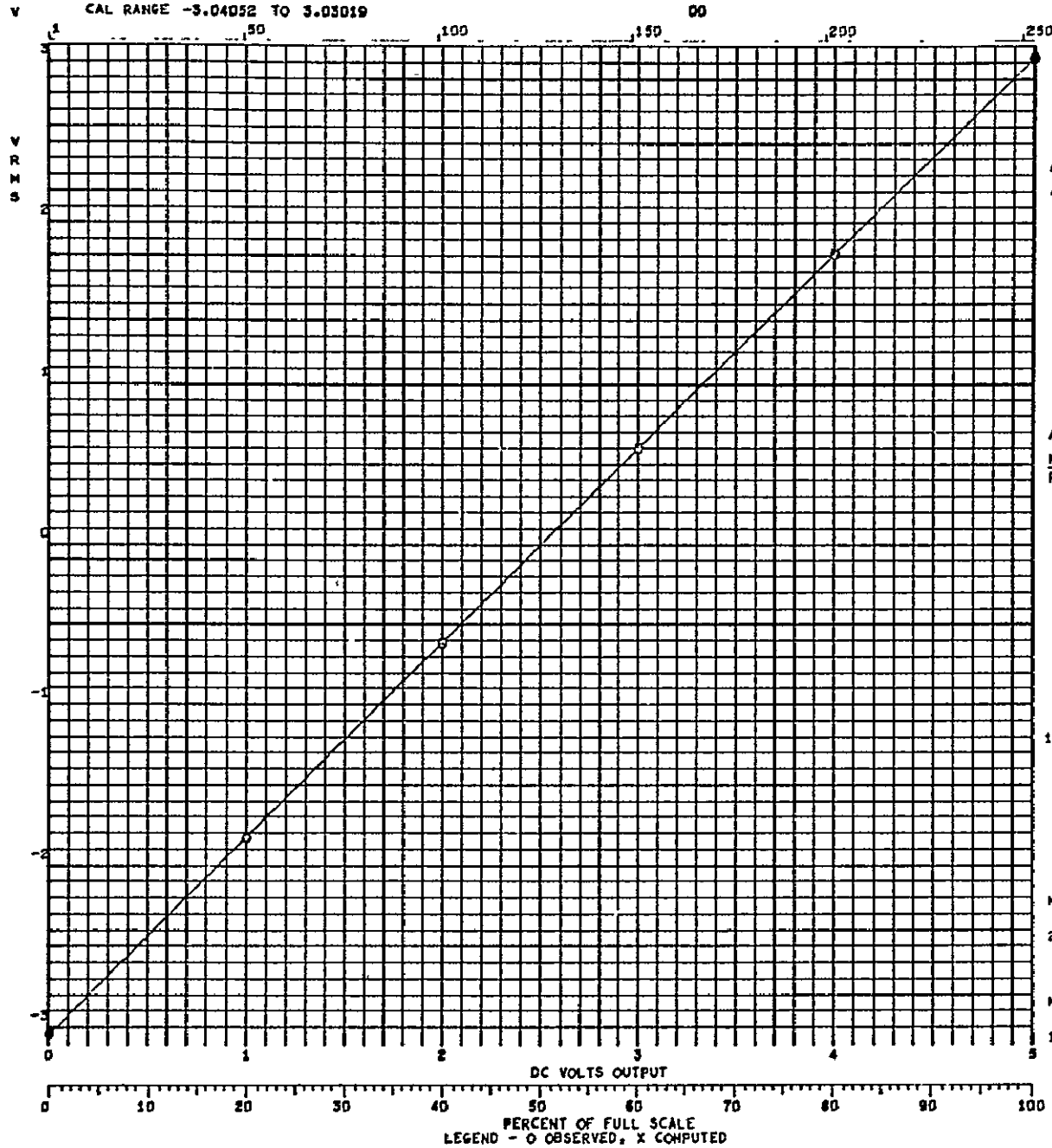
CAL RANGE -3.04052 TO 3.03019

SC-113

HARDWARE CALIB. NO. 78368 01 00 00

SERIAL NO. SCA 15

x21515



EQUATION COEFFICIENTS

A_0= -3.041 E 00

A_1= 1.214 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = -3.041E 00

20% = -1.826E 00

40% = -6.122E-01

50% = -5.167E-03

60% = 6.019E-01

80% = 1.816E 00

100% = 3.030E 00

MEASUREMENT NO.

200CG2147V01

MEAS LOADING NO.

1201013 12 20

**** CALIBRATION-TABLE OF 8-BIT-COUNTS-VS-ENGINEERING UNITS-****

NGA SERVO ERROR IN PHASE

MEASUREMENT NO. 200C02147V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

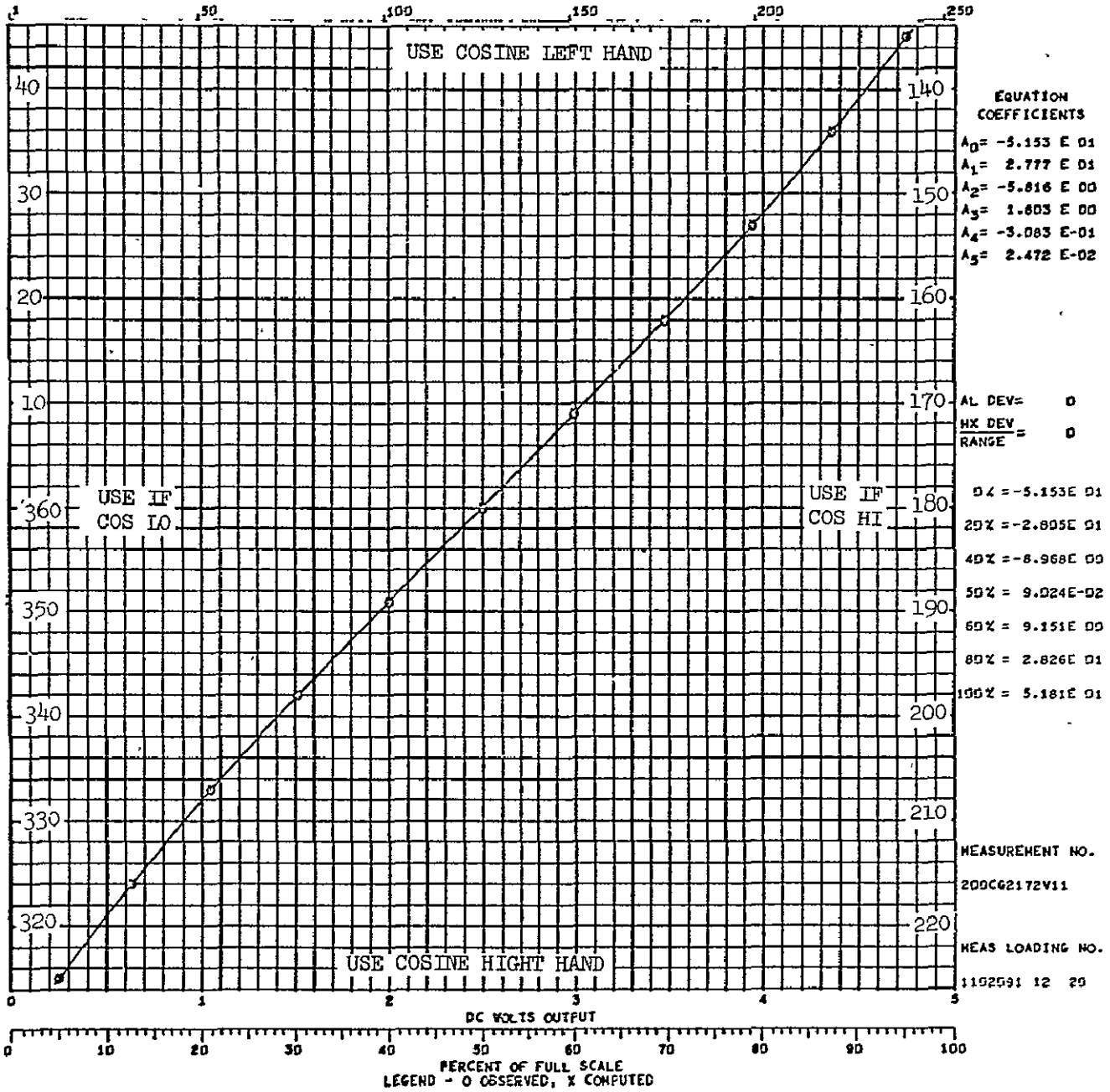
CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-3.041	38	-2.153	75	-1.265	112	-0.377	149	0.511	186	1.399	223	2.286
2	-3.017	39	-2.129	76	-1.241	113	-0.353	150	0.535	187	1.423	224	2.310
3	-2.993	40	-2.105	77	-1.217	114	-0.329	151	0.559	188	1.447	225	2.334
4	-2.969	41	-2.081	78	-1.193	115	-0.305	152	0.583	189	1.471	226	2.358
5	-2.945	42	-2.057	79	-1.169	116	-0.281	153	0.607	190	1.495	227	2.382
6	-2.921	43	-2.033	80	-1.145	117	-0.257	154	0.631	191	1.519	228	2.406
7	-2.897	44	-2.009	81	-1.121	118	-0.233	155	0.655	192	1.543	229	2.430
8	-2.873	45	-1.985	82	-1.097	119	-0.209	156	0.679	193	1.567	230	2.454
9	-2.849	46	-1.961	83	-1.073	120	-0.185	157	0.703	194	1.590	231	2.478
10	-2.825	47	-1.937	84	-1.049	121	-0.161	158	0.727	195	1.614	232	2.502
11	-2.801	48	-1.913	85	-1.025	122	-0.137	159	0.751	196	1.638	233	2.526
12	-2.777	49	-1.889	86	-1.001	123	-0.113	160	0.775	197	1.662	234	2.550
13	-2.753	50	-1.865	87	-0.977	124	-0.089	161	0.799	198	1.686	235	2.574
14	-2.729	51	-1.841	88	-0.953	125	-0.065	162	0.823	199	1.710	236	2.598
15	-2.705	52	-1.817	89	-0.929	126	-0.041	163	0.847	200	1.734	237	2.622
16	-2.681	53	-1.793	90	-0.905	127	-0.017	164	0.871	201	1.758	238	2.646
17	-2.657	54	-1.769	91	-0.881	128	0.007	165	0.895	202	1.782	239	2.670
18	-2.633	55	-1.745	92	-0.857	129	0.031	166	0.919	203	1.806	240	2.694
19	-2.609	56	-1.721	93	-0.833	130	0.055	167	0.943	204	1.830	241	2.718
20	-2.585	57	-1.697	94	-0.809	131	0.079	168	0.967	205	1.854	242	2.742
21	-2.561	58	-1.673	95	-0.785	132	0.103	169	0.991	206	1.878	243	2.766
22	-2.537	59	-1.649	96	-0.761	133	0.127	170	1.015	207	1.902	244	2.790
23	-2.513	60	-1.625	97	-0.737	134	0.151	171	1.039	208	1.926	245	2.814
24	-2.489	61	-1.601	98	-0.713	135	0.175	172	1.063	209	1.950	246	2.838
25	-2.465	62	-1.577	99	-0.689	136	0.199	173	1.087	210	1.974	247	2.862
26	-2.441	63	-1.553	100	-0.665	137	0.223	174	1.111	211	1.998	248	2.886
27	-2.417	64	-1.529	101	-0.641	138	0.247	175	1.135	212	2.022	249	2.910
28	-2.393	65	-1.505	102	-0.617	139	0.271	176	1.159	213	2.046	250	2.934
29	-2.369	66	-1.481	103	-0.593	140	0.295	177	1.183	214	2.070	251	2.958
30	-2.345	67	-1.457	104	-0.569	141	0.319	178	1.207	215	2.094	252	2.982
31	-2.321	68	-1.433	105	-0.545	142	0.343	179	1.231	216	2.118	253	3.006
32	-2.297	69	-1.409	106	-0.521	143	0.367	180	1.255	217	2.142	254	3.030
33	-2.273	70	-1.385	107	-0.497	144	0.391	181	1.279	218	2.166		
34	-2.249	71	-1.361	108	-0.473	145	0.415	182	1.303	219	2.190		
35	-2.225	72	-1.337	109	-0.449	146	0.439	183	1.327	220	2.214		
36	-2.201	73	-1.313	110	-0.425	147	0.463	184	1.351	221	2.238		
37	-2.177	74	-1.289	111	-0.401	148	0.487	185	1.375	222	2.262		

09/27/71
S INSTALLATION DATE SEPT. 14,1960
OG 1X RESOLVER OUTPUT SINE
V CAL RANGE -44.9990 TO 44.9990

SC-113

HARDWARE CALIB. NO. 78369 01 00 00
SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -5.153 E 01
A_1= 2.777 E 01
A_2= -5.816 E 00
A_3= 1.803 E 00
A_4= -3.083 E-01
A_5= 2.472 E-02

AL DEV= 0
HX DEV / RANGE = 0

0% =-5.153E 01
20% =-2.805E 01
40% =-8.968E 00
50% = 9.024E-02
60% = 9.151E 00
80% = 2.826E 01
100% = 5.181E 01

MEASUREMENT NO.
200CG2172V11

MEAS LOADING NO.
1192591 12 29

This calibration is dependent upon measurement CG1110V
If CG2173V is 100 percent, SINE RANGE is 50 to 310.
If CG2173V is 0 percent, SINE RANGE is 130 to 230.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

OF 1X RESOLVER OUTPUT SINE

MEASUREMENT NO. 200G2172V11
VEHICLE SC-115
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-51.530	38	-33.709	75	-18.958	112	-5.447	149	7.781	186	21.425	223	36.549
2	-50.984	39	-33.281	76	-18.583	113	-5.088	150	8.141	187	21.808	224	36.994
3	-50.442	40	-32.855	77	-18.208	114	-4.731	151	8.501	188	22.192	225	37.442
4	-49.904	41	-32.432	78	-17.834	115	-4.373	152	8.862	189	22.577	226	37.893
5	-49.370	42	-32.010	79	-17.460	116	-4.015	153	9.223	190	22.963	227	38.346
6	-48.841	43	-31.590	80	-17.088	117	-3.658	154	9.584	191	23.350	228	38.802
7	-48.316	44	-31.172	81	-16.716	118	-3.300	155	9.945	192	23.738	229	39.260
8	-47.795	45	-30.756	82	-16.344	119	-2.943	156	10.307	193	24.128	230	39.722
9	-47.278	46	-30.342	83	-15.974	120	-2.586	157	10.669	194	24.519	231	40.186
10	-46.765	47	-29.929	84	-15.604	121	-2.229	158	11.032	195	24.911	232	40.653
11	-46.255	48	-29.518	85	-15.235	122	-1.872	159	11.395	196	25.304	233	41.124
12	-45.750	49	-29.109	86	-14.866	123	-1.515	160	11.759	197	25.699	234	41.597
13	-45.248	50	-28.702	87	-14.499	124	-1.158	161	12.123	198	26.095	235	42.073
14	-44.749	51	-28.296	88	-14.131	125	-0.802	162	12.487	199	26.492	236	42.553
15	-44.255	52	-27.892	89	-13.764	126	-0.445	163	12.852	200	26.891	237	43.036
16	-43.763	53	-27.490	90	-13.398	127	-0.088	164	13.217	201	27.291	238	43.522
17	-43.276	54	-27.089	91	-13.033	128	0.269	165	13.583	202	27.693	239	44.012
18	-42.791	55	-26.689	92	-12.667	129	0.625	166	13.950	203	28.096	240	44.505
19	-42.310	56	-26.291	93	-12.303	130	0.982	167	14.317	204	28.501	241	45.001
20	-41.832	57	-25.894	94	-11.938	131	1.339	168	14.685	205	28.908	242	45.501
21	-41.357	58	-25.499	95	-11.575	132	1.696	169	15.053	206	29.316	243	46.005
22	-40.885	59	-25.105	96	-11.211	133	2.053	170	15.422	207	29.726	244	46.512
23	-40.417	60	-24.712	97	-10.849	134	2.410	171	15.791	208	30.137	245	47.024
24	-39.951	61	-24.321	98	-10.486	135	2.767	172	16.161	209	30.551	246	47.539
25	-39.488	62	-23.931	99	-10.124	136	3.124	173	16.532	210	30.966	247	48.058
26	-39.028	63	-23.542	100	-9.762	137	3.481	174	16.904	211	31.383	248	48.581
27	-38.571	64	-23.154	101	-9.401	138	3.839	175	17.276	212	31.802	249	49.108
28	-38.116	65	-22.767	102	-9.040	139	4.196	176	17.649	213	32.223	250	49.640
29	-37.665	66	-22.382	103	-8.680	140	4.554	177	18.023	214	32.646	251	50.175
30	-37.215	67	-21.998	104	-8.319	141	4.912	178	18.397	215	33.071	252	50.715
31	-36.769	68	-21.614	105	-7.959	142	5.270	179	18.773	216	33.498	253	51.260
32	-36.325	69	-21.232	106	-7.600	143	5.628	180	19.149	217	33.927	254	51.809
33	-35.883	70	-20.851	107	-7.240	144	5.986	181	19.526	218	34.358		
34	-35.444	71	-20.470	108	-6.881	145	6.345	182	19.904	219	34.792		
35	-35.007	72	-20 091	109	-6.522	146	6.704	183	20.283	220	35.227		
36	-34.572	73	-19.713	110	-6.163	147	7.063	184	20.663	221	35.666		
37	-34.140	74	-19 335	111	-5.805	148	7.422	185	21.043	222	36.106		

09/27/71

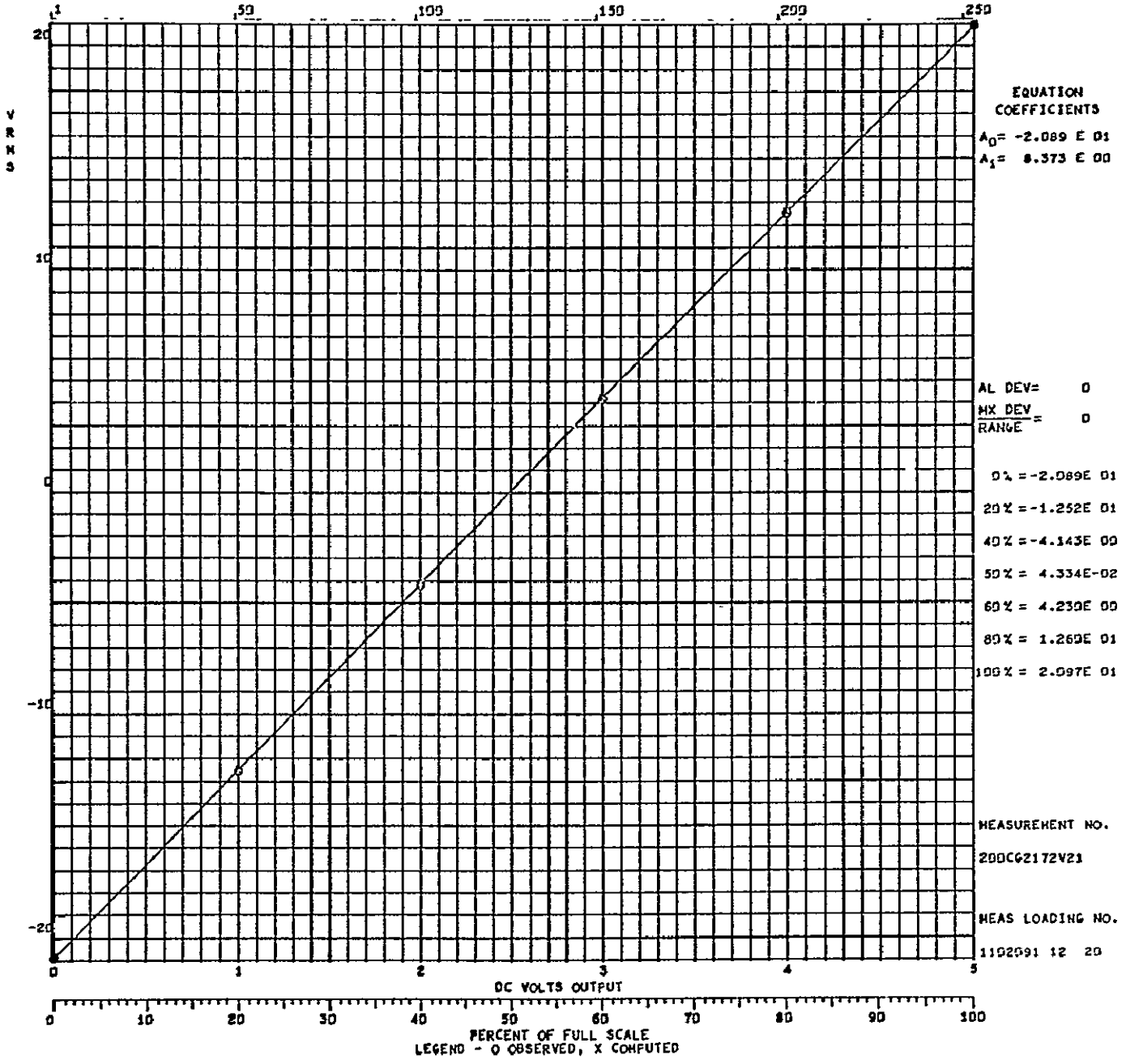
1 INSTALLATION DATE SEPT. 14,1960
OG 1X RESOLVER OUTPUT SINE
CAL RANGE -20.6881 TO 20.9748

SC-113

HARDWARE CALIB. NO. 78370 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -2.089 E 01

A_1= 8.373 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% =-2.089E 01
20% =-1.252E 01
40% =-4.143E 00
50% = 4.334E-02
60% = 4.230E 00
80% = 1.269E 01
100% = 2.097E 01

MEASUREMENT NO.

200CG2172V21

MEAS LOADING NO.

1102091 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

OG 1X RESOLVER OUTPUT SINE

MEASUREMENT NO. 200CG2172V21
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

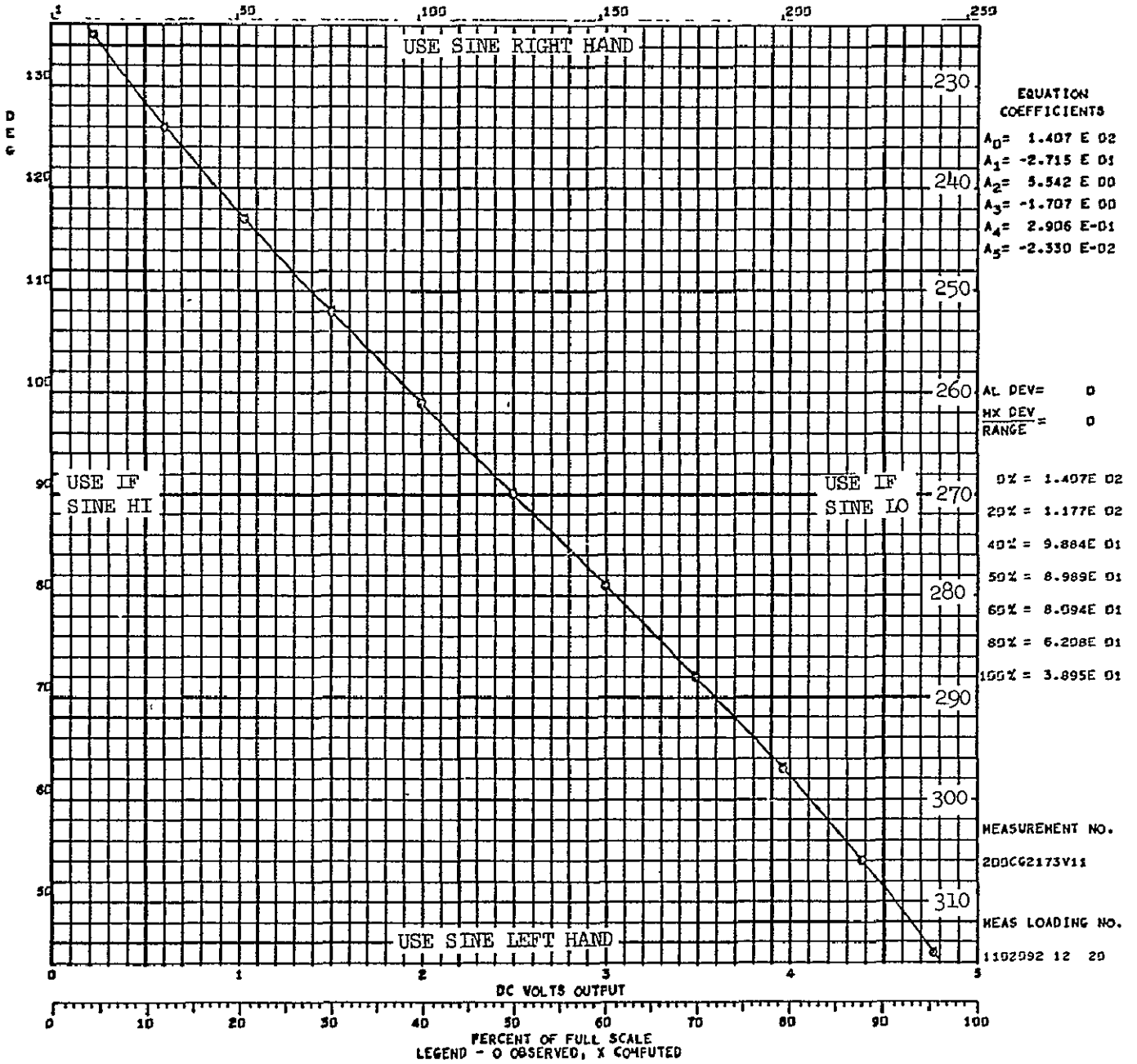
CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-20.888	38	-14.766	75	-8.644	112	-2.521	149	3.601	186	9.723	223	15.845
2	-20.723	39	-14.600	76	-8.478	113	-2.356	150	3.766	187	9.889	224	16.011
3	-20.557	40	-14.435	77	-8.313	114	-2.190	151	3.932	188	10.054	225	16.176
4	-20.392	41	-14.269	78	-8.147	115	-2.025	152	4.097	189	10.219	226	16.342
5	-20.226	42	-14.104	79	-7.982	116	-1.860	153	4.263	190	10.385	227	16.507
6	-20.061	43	-13.939	80	-7.816	117	-1.694	154	4.428	191	10.550	228	16.673
7	-19.895	44	-13.773	81	-7.651	118	-1.529	155	4.594	192	10.716	229	16.838
8	-19.730	45	-13.608	82	-7.485	119	-1.363	156	4.759	193	10.881	230	17.004
9	-19.564	46	-13.442	83	-7.320	120	-1.198	157	4.925	194	11.047	231	17.169
10	-19.399	47	-13.277	84	-7.154	121	-1.032	158	5.090	195	11.212	232	17.335
11	-19.233	48	-13.111	85	-6.989	122	-0.867	159	5.256	196	11.378	233	17.500
12	-19 068	49	-12.946	86	-6.823	123	-0.701	160	5.421	197	11.543	234	17.665
13	-18.903	50	-12.780	87	-6.658	124	-0.536	161	5.586	198	11.709	235	17.831
14	-18.737	51	-12.615	88	-6.493	125	-0.370	162	5.752	199	11.874	236	17.996
15	-18.572	52	-12.449	89	-6.327	126	-0.205	163	5.917	200	12.040	237	18.162
16	-18.406	53	-12.284	90	-6.162	127	-0.039	164	6.083	201	12.205	238	18.327
17	-18.241	54	-12.118	91	-5.996	128	0.126	165	6.248	202	12.371	239	18.493
18	-18.075	55	-11.953	92	-5.831	129	0.292	166	6.414	203	12.536	240	18.658
19	-17.910	56	-11.787	93	-5.665	130	0.457	167	6.579	204	12.701	241	18.824
20	-17.744	57	-11.622	94	-5.500	131	0.622	168	6.745	205	12.867	242	18.989
21	-17.579	58	-11.457	95	-5.334	132	0.788	169	6.910	206	13.032	243	19.155
22	-17.413	59	-11.291	96	-5.169	133	0.953	170	7.076	207	13.198	244	19.320
23	-17.248	60	-11.126	97	-5.003	134	1.119	171	7.241	208	13.363	245	19.486
24	-17.082	61	-10.960	98	-4.838	135	1.284	172	7.407	209	13.529	246	19.651
25	-16.917	62	-10.795	99	-4.672	136	1.450	173	7.572	210	13.694	247	19.817
26	-16.751	63	-10.629	100	-4.507	137	1.615	174	7.737	211	13.860	248	19.982
27	-16.586	64	-10.464	101	-4.342	138	1.781	175	7.903	212	14.025	249	20.147
28	-16.421	65	-10.298	102	-4.176	139	1.946	176	8.068	213	14.191	250	20.313
29	-16.255	66	-10.133	103	-4.011	140	2.112	177	8.234	214	14.356	251	20.478
30	-16.090	67	-9.967	104	-3.845	141	2.277	178	8.399	215	14.522	252	20.644
31	-15.924	68	-9.802	105	-3.680	142	2.443	179	8.565	216	14.687	253	20.809
32	-15.759	69	-9.636	106	-3.514	143	2.608	180	8.730	217	14.853	254	20.975
33	-15.593	70	-9.471	107	-3.349	144	2.774	181	8.896	218	15.018		
34	-15.428	71	-9.305	108	-3.183	145	2.939	182	9.061	219	15.183		
35	-15.262	72	-9.140	109	-3.018	146	3.104	183	9.227	220	15.349		
36	-15.097	73	-8.975	110	-2.852	147	3.270	184	9.392	221	15.514		
37	-14.931	74	-8.809	111	-2.687	148	3.435	185	9.558	222	15.680		

09/27/71
S INSTALLATION DATE SEPT. 14,1960
OG 1X RESOLVER OUTPUT COS
CAL RANGE 45.0014 TO 134.999

SC-113

HARDWARE CALIB. NO. 78371 01 00 00
SERIAL NO. SCA 15

=21515



This calibration is dependent upon measurement CG1110V.
If CG2172V is 0 percent, COS RANGE is 220 to 320.
If CG2172V is 100 percent, COS RANGE is 40 to 140.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

CG 1X RESOLVER OUTPUT COS

MEASUREMENT NO. 200CG2173V11
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	140.720	38	123.243	75	108.706	112	95.363	149	82.295	186	68.822	223	53.920
2	140.186	39	122.822	76	108.335	113	95.009	150	81.939	187	68.444	224	53.482
3	139.656	40	122.403	77	107.965	114	94.655	151	81.584	188	68.065	225	53.042
4	139.130	41	121.986	78	107.595	115	94.302	152	81.227	189	67.686	226	52.599
5	138.608	42	121.571	79	107.227	116	93.949	153	80.871	190	67.305	227	52.154
6	138.090	43	121.158	80	106.859	117	93.596	154	80.514	191	66.923	228	51.706
7	137.576	44	120.746	81	106.492	118	93.243	155	80.157	192	66.540	229	51.255
8	137.066	45	120.336	82	106.126	119	92.890	156	79.800	193	66.155	230	50.802
9	136.560	46	119.929	83	105.760	120	92.537	157	79.442	194	65.770	231	50.346
10	136 058	47	119.522	84	105.395	121	92.184	158	79.084	195	65.383	232	49.887
11	135.559	48	119.118	85	105.030	122	91.832	159	78.725	196	64.995	233	49.425
12	135.064	49	118.715	86	104.666	123	91.479	160	78.366	197	64.606	234	48.960
13	134.572	50	118.314	87	104.303	124	91.127	161	78.007	198	64.216	235	48.493
14	134.084	51	117.914	88	103.940	125	90.774	162	77.647	199	63.824	236	48.022
15	133.599	52	117.516	89	103.578	126	90.422	163	77.286	200	63.431	237	47.548
16	133.117	53	117.119	90	103.217	127	90.069	164	76.925	201	63.036	238	47.071
17	132.639	54	116.724	91	102.855	128	89.717	165	76.564	202	62.640	239	46.591
18	132.164	55	116.330	92	102.495	129	89.364	166	76.202	203	62.242	240	46.107
19	131.692	56	115.938	93	102.135	130	89.012	167	75.840	204	61.843	241	45.620
20	131.223	57	115.547	94	101.775	131	88.659	168	75.476	205	61.443	242	45.130
21	130.757	58	115.157	95	101.416	132	88.307	169	75.113	206	61.041	243	44.636
22	130.294	59	114.769	96	101.057	133	87.954	170	74.749	207	60.637	244	44.139
23	129.834	60	114.382	97	100.699	134	87.602	171	74.384	208	60.231	245	43.638
24	129.377	61	113.996	98	100.341	135	87.249	172	74.018	209	59.824	246	43.133
25	128.923	62	113.611	99	99.983	136	86.896	173	73.652	210	59.415	247	42.624
26	128.471	63	113.228	100	99.626	137	86.543	174	73.285	211	59.004	248	42.112
27	128.022	64	112.845	101	99.269	138	86.190	175	72.918	212	58.592	249	41.596
28	127.576	65	112.464	102	98.913	139	85.837	176	72.549	213	58.177	250	41.076
29	127.132	66	112.084	103	98.556	140	85.483	177	72.180	214	57.761	251	40.551
30	126.690	67	111.704	104	98.200	141	85.130	178	71.811	215	57.343	252	40.023
31	126.251	68	111.326	105	97.845	142	84.776	179	71.440	216	56.922	253	39.490
32	125.815	69	110.949	106	97.490	143	84.422	180	71.069	217	56.500	254	38.953
33	125.381	70	110.573	107	97.134	144	84.068	181	70.697	218	56.075		
34	124.949	71	110.198	108	96.780	145	83.714	182	70.323	219	55.649		
35	124.519	72	109.823	109	96.425	146	83.360	183	69.949	220	55.220		
36	124.092	73	109.450	110	96.071	147	83.005	184	69.575	221	54.789		
37	123.667	74	109.077	111	95.717	148	82.650	185	69.199	222	54.356		

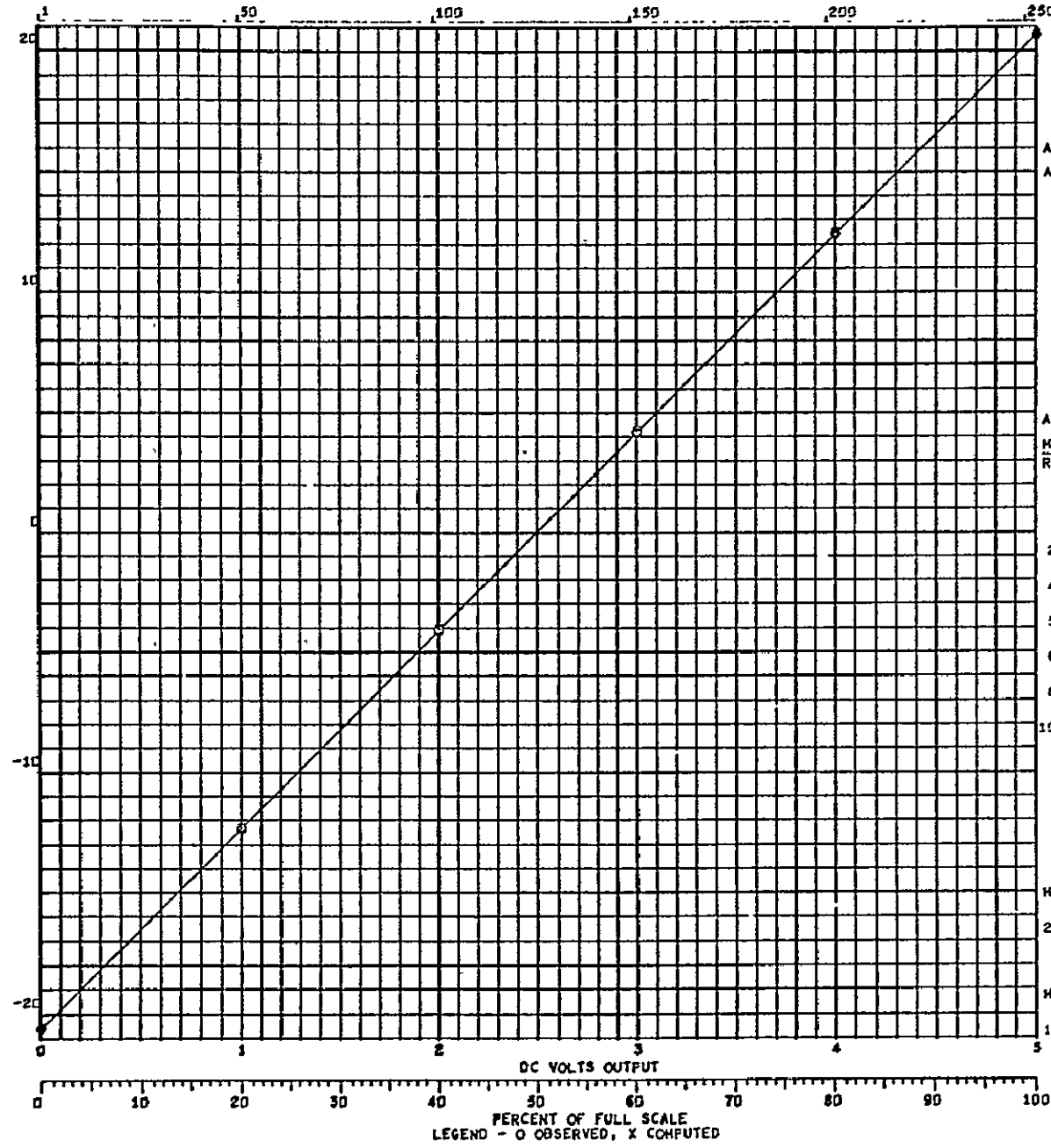
09/27/71
1 INSTALLATION DATE SEPT. 14,1960
OG 1X RESOLVER OUTPUT COS
CAL RANGE -20.5990 TO 20.7224

SC-113

HARDWARE CALIB. NO. 78372 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -2.060 E 01

A_1= 8.264 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -2.060E 01

20% = -1.233E 01

40% = -4.070E 00

50% = 6.167E-02

60% = 4.194E 00

80% = 1 246E 01

100% = 2.072E 01

MEASUREMENT NO.

200CG2173V21

MEAS LOADING NO.

1102092 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

OG 1X RESOLVER OUTPUT COS

MEASUREMENT NO. 200CG2173V21
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-20.599	38	-14.556	75	-8.513	112	-2.470	149	3.573	186	9.616	223	15.659
2	-20.436	39	-14.393	76	-8.350	113	-2.307	150	3.736	187	9.780	224	15.823
3	-20.272	40	-14.229	77	-8.186	114	-2.143	151	3.900	188	9.943	225	15.986
4	-20.109	41	-14.066	78	-8.023	115	-1.980	152	4.063	189	10.106	226	16.149
5	-19.946	42	-13.903	79	-7.860	116	-1.817	153	4.226	190	10.270	227	16.313
6	-19.782	43	-13.739	80	-7.696	117	-1.653	154	4.390	191	10.433	228	16.476
7	-19.619	44	-13.576	81	-7.533	118	-1.490	155	4.553	192	10.596	229	16.639
8	-19.456	45	-13.413	82	-7.370	119	-1.327	156	4.716	193	10.760	230	16.803
9	-19.292	46	-13.249	83	-7.206	120	-1.163	157	4.880	194	10.923	231	16.966
10	-19.129	47	-13.086	84	-7.043	121	-1.000	158	5.043	195	11.086	232	17.129
11	-18.966	48	-12.923	85	-6.880	122	-0.837	159	5.206	196	11.249	233	17.293
12	-18.802	49	-12.759	86	-6.716	123	-0.673	160	5.370	197	11.413	234	17.456
13	-18.639	50	-12.596	87	-6.553	124	-0.510	161	5.533	198	11.576	235	17.619
14	-18.476	51	-12.433	88	-6.390	125	-0.347	162	5.696	199	11.739	236	17.783
15	-18.312	52	-12.269	89	-6.226	126	-0.183	163	5.860	200	11.903	237	17.946
16	-18.149	53	-12.106	90	-6.063	127	-0.020	164	6.023	201	12.066	238	18.109
17	-17.986	54	-11.943	91	-5.900	128	0.143	165	6.186	202	12.229	239	18.272
18	-17.823	55	-11.779	92	-5.736	129	0.307	166	6.350	203	12.393	240	18.436
19	-17.659	56	-11.616	93	-5.573	130	0.470	167	6.513	204	12.556	241	18.599
20	-17.496	57	-11.453	94	-5.410	131	0.633	168	6.676	205	12.719	242	18.762
21	-17.333	58	-11.289	95	-5.246	132	0.797	169	6.840	206	12.883	243	18.926
22	-17.169	59	-11.126	96	-5.083	133	0.960	170	7.003	207	13.046	244	19.089
23	-17.006	60	-10.963	97	-4.920	134	1.123	171	7.166	208	13.209	245	19.252
24	-16.843	61	-10.799	98	-4.756	135	1.287	172	7.330	209	13.373	246	19.416
25	-16.679	62	-10.636	99	-4.593	136	1.450	173	7.493	210	13.536	247	19.579
26	-16.516	63	-10.473	100	-4.430	137	1.613	174	7.656	211	13.699	248	19.742
27	-16.353	64	-10.310	101	-4.266	138	1.777	175	7.820	212	13.863	249	19.906
28	-16.189	65	-10.146	102	-4.103	139	1.940	176	7.983	213	14.026	250	20.069
29	-16.026	66	-9.983	103	-3.940	140	2.103	177	8.146	214	14.189	251	20.232
30	-15.863	67	-9.820	104	-3.776	141	2.267	178	8.310	215	14.353	252	20.396
31	-15.699	68	-9.656	105	-3.613	142	2.430	179	8.473	216	14.516	253	20.559
32	-15.536	69	-9.493	106	-3.450	143	2.593	180	8.636	217	14.679	254	20.722
33	-15.373	70	-9.330	107	-3.287	144	2.757	181	8.800	218	14.843		
34	-15.209	71	-9.166	108	-3.123	145	2.920	182	8.963	219	15.006		
35	-15.046	72	-9.003	109	-2.960	146	3.083	183	9.126	220	15.169		
36	-14.883	73	-8.840	110	-2.797	147	3.247	184	9.290	221	15.333		
37	-14.719	74	-8.676	111	-2.633	148	3.410	185	9.453	222	15.496		

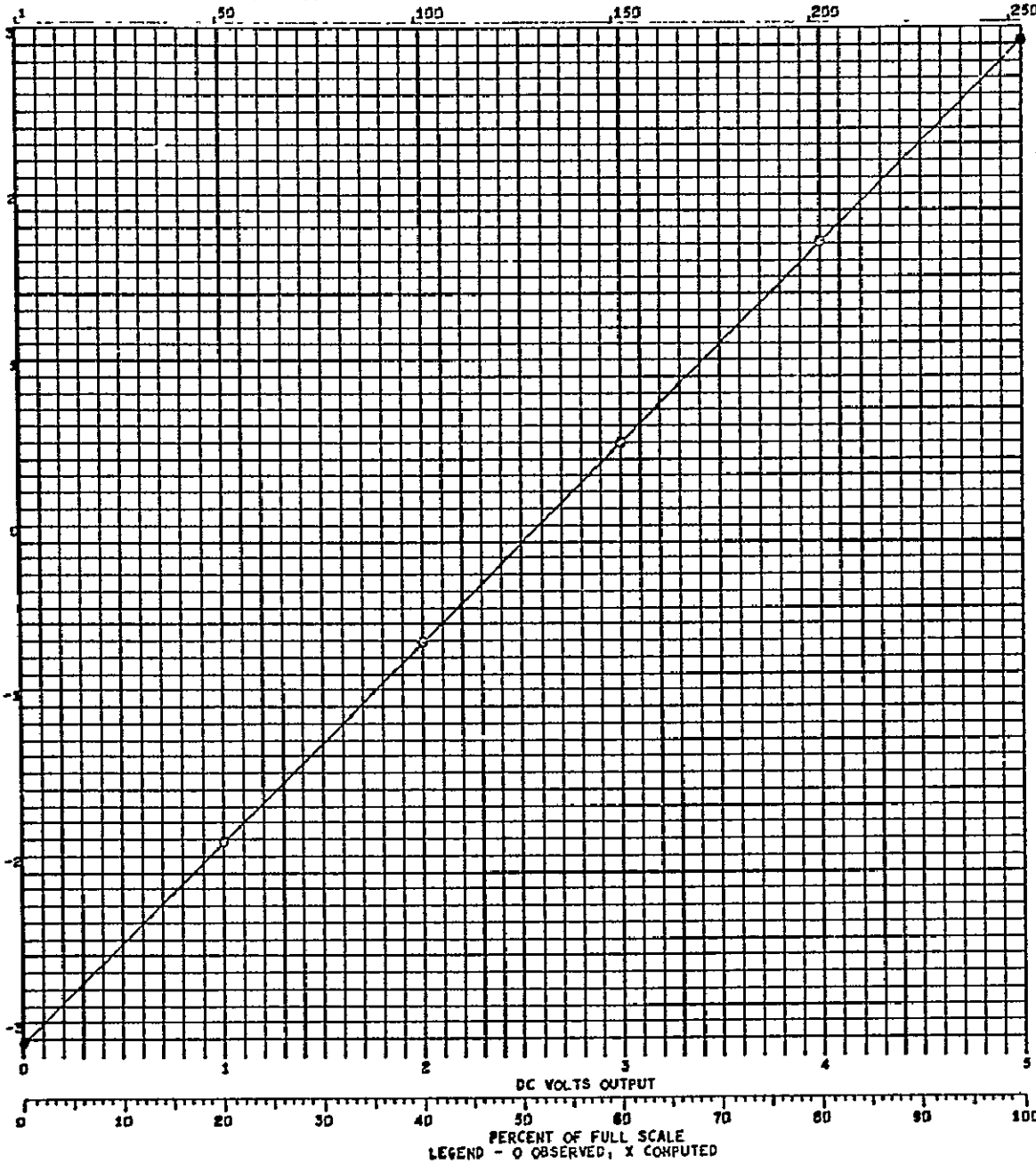
09/27/71
1 INSTALLATION DATE SEPT. 14,1960
OGA SERVO ERROR IN PHASE
CAL RANGE -3.02267 TO 3.01833

SC-113

HARDWARE CALIB. NO. 78373 01 00 00

SERIAL NO. SCA 15

#21515



EQUATION COEFFICIENTS

A_0= -3.023 E 00

A_1= 1.208 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% =-3.023E 00

20% =-1.814E 00

40% =-6.063E-01

50% =-2.167E-03

60% = 6.019E-01

80% = 1.810E 00

100% = 3.018E 00

MEASUREMENT NO.

200CG2177V01

MEAS LOADING NO.

1201015 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

OGA SERVO ERROR IN PHASE

MEASUREMENT NO. 200CG2177V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-3.023	38	-2.139	75	-1.256	112	-0.372	149	0.511	186	1.395	223	2.278
2	-2.999	39	-2.115	76	-1.232	113	-0.348	150	0.535	187	1.419	224	2.302
3	-2.975	40	-2.091	77	-1.208	114	-0.325	151	0.559	188	1.442	225	2.326
4	-2.951	41	-2.068	78	-1.184	115	-0.301	152	0.583	189	1.466	226	2.350
5	-2.927	42	-2.044	79	-1.160	116	-0.277	153	0.607	190	1.490	227	2.374
6	-2.903	43	-2.020	80	-1.136	117	-0.253	154	0.631	191	1.514	228	2.398
7	-2.879	44	-1.996	81	-1.112	118	-0.229	155	0.654	192	1.538	229	2.421
8	-2.856	45	-1.972	82	-1.089	119	-0.205	156	0.678	193	1.562	230	2.445
9	-2.832	46	-1.948	83	-1.065	120	-0.181	157	0.702	194	1.586	231	2.469
10	-2.808	47	-1.924	84	-1.041	121	-0.157	158	0.726	195	1.610	232	2.493
11	-2.784	48	-1.900	85	-1.017	122	-0.133	159	0.750	196	1.633	233	2.517
12	-2.760	49	-1.877	86	-0.993	123	-0.110	160	0.774	197	1.657	234	2.541
13	-2.736	50	-1.853	87	-0.969	124	-0.086	161	0.798	198	1.681	235	2.565
14	-2.712	51	-1.829	88	-0.945	125	-0.062	162	0.822	199	1.705	236	2.589
15	-2.688	52	-1.805	89	-0.921	126	-0.038	163	0.845	200	1.729	237	2.612
16	-2.665	53	-1.781	90	-0.898	127	-0.014	164	0.869	201	1.753	238	2.636
17	-2.641	54	-1.757	91	-0.874	128	0.010	165	0.893	202	1.777	239	2.660
18	-2.617	55	-1.733	92	-0.850	129	0.034	166	0.917	203	1.801	240	2.684
19	-2.593	56	-1.709	93	-0.826	130	0.058	167	0.941	204	1.824	241	2.708
20	-2.569	57	-1.686	94	-0.802	131	0.081	168	0.965	205	1.848	242	2.732
21	-2.545	58	-1.662	95	-0.778	132	0.105	169	0.989	206	1.872	243	2.756
22	-2.521	59	-1.638	96	-0.754	133	0.129	170	1.013	207	1.896	244	2.780
23	-2.497	60	-1.614	97	-0.730	134	0.153	171	1.037	208	1.920	245	2.803
24	-2.473	61	-1.590	98	-0.707	135	0.177	172	1.060	209	1.944	246	2.827
25	-2.450	62	-1.566	99	-0.683	136	0.201	173	1.084	210	1.968	247	2.851
26	-2.426	63	-1.542	100	-0.659	137	0.225	174	1.108	211	1.992	248	2.875
27	-2.402	64	-1.518	101	-0.635	138	0.249	175	1.132	212	2.015	249	2.899
28	-2.378	65	-1.495	102	-0.611	139	0.272	176	1.156	213	2.039	250	2.923
29	-2.354	66	-1.471	103	-0.587	140	0.296	177	1.180	214	2.063	251	2.947
30	-2.330	67	-1.447	104	-0.563	141	0.320	178	1.204	215	2.087	252	2.971
31	-2.306	68	-1.423	105	-0.539	142	0.344	179	1.228	216	2.111	253	2.994
32	-2.282	69	-1.399	106	-0.516	143	0.368	180	1.251	217	2.135	254	3.018
33	-2.259	70	-1.375	107	-0.492	144	0.392	181	1.275	218	2.159		
34	-2.235	71	-1.351	108	-0.468	145	0.416	182	1.299	219	2.183		
35	-2.211	72	-1.327	109	-0.444	146	0.440	183	1.323	220	2.206		
36	-2.187	73	-1.303	110	-0.420	147	0.463	184	1.347	221	2.230		
37	-2.163	74	-1.280	111	-0.396	148	0.487	185	1.371	222	2.254		

09/27/71

1 INSTALLATION DATE SEPT. 14,1960

PIPA TEMPERATURE

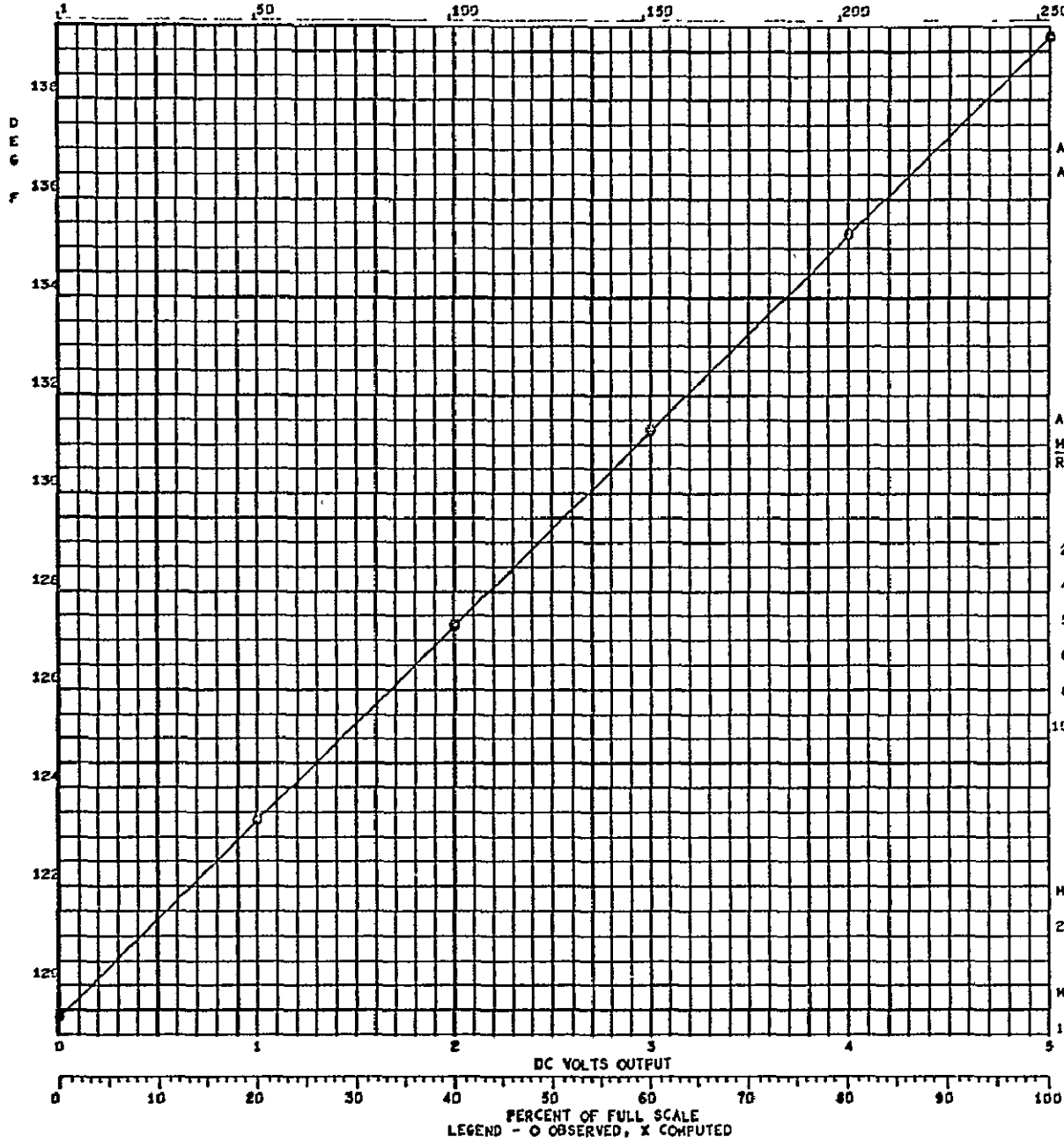
CAL RANGE 119.352 TO 139.281

SC-113

HARDWARE CALIB. NO. 78374 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= 1.194 E 02

A_1= 5.986 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = 1.194E 02

20% = 1.233E 02

40% = 1.273E 02

50% = 1.293E 02

60% = 1.313E 02

80% = 1.353E 02

100% = 1.393E 02

MEASUREMENT NO.

200CG2300T01

MEAS LOADING NO.

1932116 12 20

5 147

4-19

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PIPA TEMPERATURE

MEASUREMENT NO. 200G2300T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	119.352	38	122.267	75	125.181	112	128.096	149	131.010	186	133.925	223	136.839
2	119.431	39	122.346	76	125.260	113	128.175	150	131.089	187	134.003	224	136.918
3	119.510	40	122.424	77	125.339	114	128.253	151	131.168	188	134.082	225	136.997
4	119.589	41	122.503	78	125.418	115	128.332	152	131.246	189	134.161	226	137.075
5	119.667	42	122.582	79	125.496	116	128.411	153	131.325	190	134.240	227	137.154
6	119.746	43	122.661	80	125.575	117	128.490	154	131.404	191	134.318	228	137.233
7	119.825	44	122.739	81	125.654	118	128.568	155	131.483	192	134.397	229	137.312
8	119.904	45	122.818	82	125.733	119	128.647	156	131.562	193	134.476	230	137.390
9	119.983	46	122.897	83	125.811	120	128.726	157	131.640	194	134.555	231	137.469
10	120.061	47	122.976	84	125.890	121	128.805	158	131.719	195	134.634	232	137.548
11	120.140	48	123.055	85	125.969	122	128.883	159	131.798	196	134.712	233	137.627
12	120.219	49	123.133	86	126.048	123	128.962	160	131.877	197	134.791	234	137.706
13	120.298	50	123.212	87	126.127	124	129.041	161	131.955	198	134.870	235	137.784
14	120.376	51	123.291	88	126.205	125	129.120	162	132.034	199	134.949	236	137.863
15	120.455	52	123.370	89	126.284	126	129.199	163	132.113	200	135.027	237	137.942
16	120.534	53	123.448	90	126.363	127	129.277	164	132.192	201	135.106	238	138.021
17	120.613	54	123.527	91	126.442	128	129.356	165	132.270	202	135.185	239	138.099
18	120.691	55	123.606	92	126.520	129	129.435	166	132.349	203	135.264	240	138.178
19	120.770	56	123.685	93	126.599	130	129.514	167	132.428	204	135.342	241	138.257
20	120.849	57	123.763	94	126.678	131	129.592	168	132.507	205	135.421	242	138.336
21	120.928	58	123.842	95	126.757	132	129.671	169	132.586	206	135.500	243	138.414
22	121.007	59	123.921	96	126.835	133	129.750	170	132.664	207	135.579	244	138.493
23	121.085	60	124.000	97	126.914	134	129.829	171	132.743	208	135.658	245	138.572
24	121.164	61	124.079	98	126.993	135	129.907	172	132.822	209	135.736	246	138.651
25	121.243	62	124.157	99	127.072	136	129.986	173	132.901	210	135.815	247	138.730
26	121.322	63	124.236	100	127.151	137	130.065	174	132.979	211	135.894	248	138.808
27	121.400	64	124.315	101	127.229	138	130.144	175	133.058	212	135.973	249	138.887
28	121.479	65	124.394	102	127.308	139	130.222	176	133.137	213	136.051	250	138.966
29	121.558	66	124.472	103	127.387	140	130.301	177	133.216	214	136.130	251	139.045
30	121.637	67	124.551	104	127.466	141	130.380	178	133.294	215	136.209	252	139.123
31	121.715	68	124.630	105	127.544	142	130.459	179	133.373	216	136.288	253	139.202
32	121.794	69	124.709	106	127.623	143	130.538	180	133.452	217	136.366	254	139.281
33	121.873	70	124.787	107	127.702	144	130.616	181	133.531	218	136.445		
34	121.952	71	124.866	108	127.781	145	130.695	182	133.610	219	136.524		
35	122.031	72	124.945	109	127.859	146	130.774	183	133.688	220	136.603		
36	122.109	73	125.024	110	127.938	147	130.853	184	133.767	221	136.682		
37	122.188	74	125.103	111	128.017	148	130.931	185	133.846	222	136.760		

09/27/71

1 INSTALLATION DATE SEPT. 14,1960

SHAFT CDU DAC OUTPUT

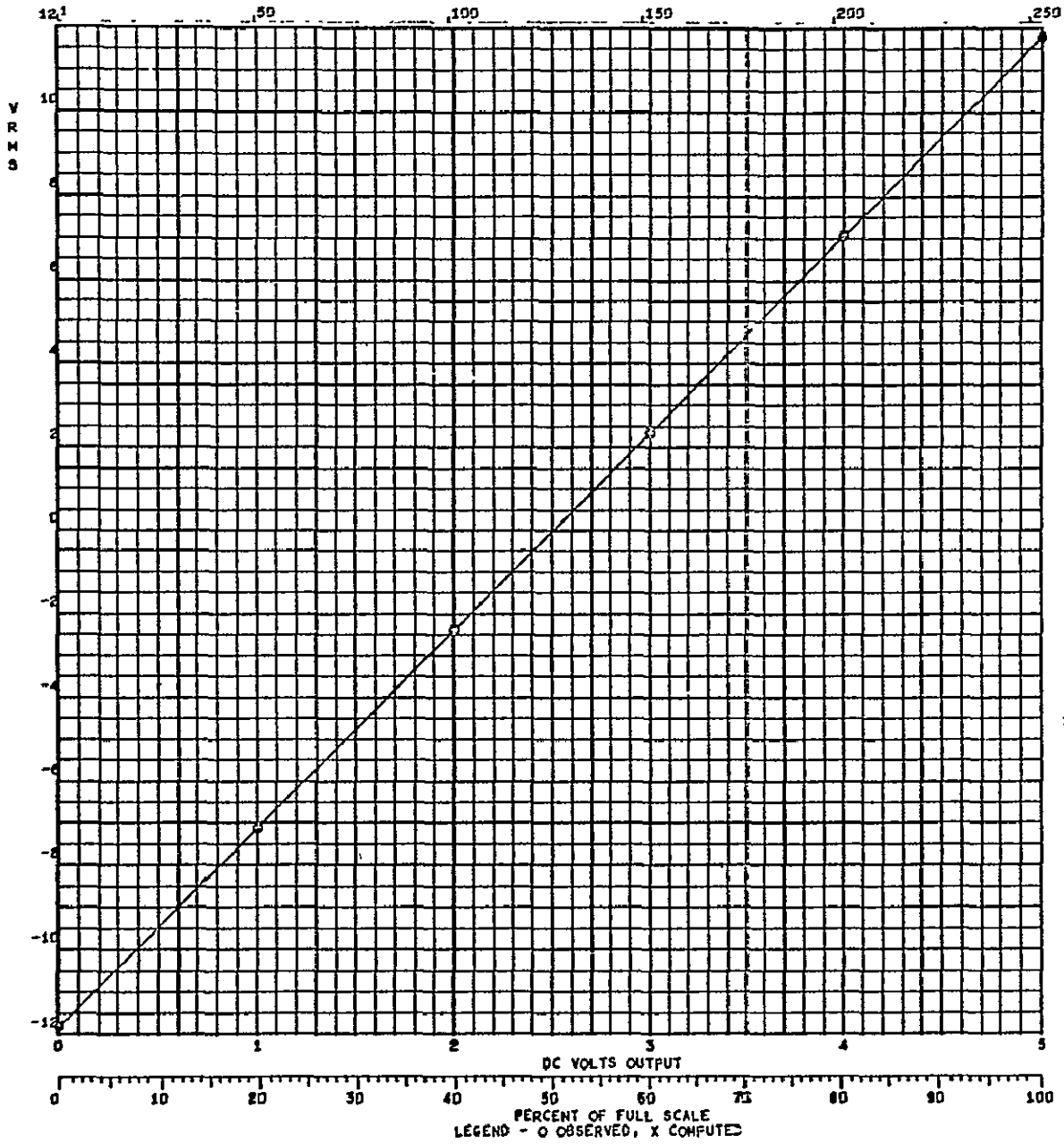
CAL RANGE -11.8200 TO 11.8100

SC-113

HARDWARE CALIB. NO. 76375 01 00 00

SERIAL NO. SCA 15

=21515



EQUATION COEFFICIENTS

A_0= -1.182 E 01

A_1= 4.726 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-1.182E 01

20% =-7.094E 00

40% =-2.368E 00

50% =-5.000E-03

60% = 2.358E 00

80% = 7.084E 00

100% = 1.181E 01

MEASUREMENT NO.

200C63721V01

MEAS LOADING NO.

1102058 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

SHAFT CDU DAC OUTPUT

MEASUREMENT NO. 200C63721V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-11.820	38	-8.364	75	-4.908	112	-1.453	149	2.003	186	5.459	223	8.915
2	-11.727	39	-8.271	76	-4.815	113	-1.359	150	2.096	187	5.552	224	9.008
3	-11.633	40	-8.177	77	-4.722	114	-1.266	151	2.190	188	5.646	225	9.101
4	-11.540	41	-8.084	78	-4.628	115	-1.172	152	2.283	189	5.739	226	9.195
5	-11.446	42	-7.991	79	-4.535	116	-1.079	153	2.377	190	5.832	227	9.288
6	-11.353	43	-7.897	80	-4.441	117	-0.986	154	2.470	191	5.926	228	9.382
7	-11.260	44	-7.804	81	-4.348	118	-0.892	155	2.563	192	6.019	229	9.475
8	-11.166	45	-7.710	82	-4.255	119	-0.799	156	2.657	193	6.113	230	9.568
9	-11.073	46	-7.617	83	-4.161	120	-0.705	157	2.750	194	6.206	231	9.662
10	-10.979	47	-7.524	84	-4.068	121	-0.612	158	2.844	195	6.299	232	9.755
11	-10.886	48	-7.430	85	-3.974	122	-0.519	159	2.937	196	6.393	233	9.849
12	-10.793	49	-7.337	86	-3.881	123	-0.425	160	3.030	197	6.486	234	9.942
13	-10.699	50	-7.243	87	-3.788	124	-0.332	161	3.124	198	6.580	235	10.035
14	-10.606	51	-7.150	88	-3.694	125	-0.238	162	3.217	199	6.673	236	10.129
15	-10.512	52	-7.057	89	-3.601	126	-0.145	163	3.311	200	6.766	237	10.222
16	-10.419	53	-6.963	90	-3.507	127	-0.052	164	3.404	201	6.860	238	10.316
17	-10.326	54	-6.870	91	-3.414	128	0.042	165	3.497	202	6.953	239	10.409
18	-10.232	55	-6.776	92	-3.321	129	0.135	166	3.591	203	7.047	240	10.502
19	-10.139	56	-6.683	93	-3.227	130	0.228	167	3.684	204	7.140	241	10.596
20	-10 045	57	-6.590	94	-3.134	131	0.322	168	3.778	205	7.233	242	10.689
21	-9.952	58	-6.496	95	-3.040	132	0.415	169	3.871	206	7.327	243	10.783
22	-9.859	59	-6.403	96	-2.947	133	0.509	170	3.964	207	7.420	244	10.876
23	-9.765	60	-6.309	97	-2.854	134	0.602	171	4.058	208	7.514	245	10.969
24	-9.672	61	-6.216	98	-2.760	135	0.695	172	4.151	209	7.607	246	11.063
25	-9.578	62	-6.123	99	-2.667	136	0.789	173	4.245	210	7.700	247	11.156
26	-9.485	63	-6.029	100	-2.573	137	0.882	174	4.338	211	7.794	248	11.250
27	-9.392	64	-5.936	101	-2.480	138	0.976	175	4.431	212	7.887	249	11.343
28	-9.298	65	-5.842	102	-2.387	139	1.069	176	4.525	213	7.981	250	11.436
29	-9.205	66	-5.749	103	-2.293	140	1.162	177	4.618	214	8.074	251	11.530
30	-9.111	67	-5.656	104	-2.200	141	1.256	178	4.712	215	8.167	252	11.623
31	-9.018	68	-5.562	105	-2.106	142	1.349	179	4.805	216	8.261	253	11.717
32	-8.925	69	-5.469	106	-2.013	143	1.443	180	4.898	217	8.354	254	11.810
33	-8.831	70	-5.375	107	-1.920	144	1.536	181	4.992	218	8.448		
34	-8.738	71	-5.282	108	-1.826	145	1.629	182	5.085	219	8.541		
35	-8.644	72	-5.189	109	-1.733	146	1.723	183	5.179	220	8.634		
36	-8.551	73	-5.095	110	-1.639	147	1.816	184	5.272	221	8.728		
37	-8.458	74	-5.002	111	-1.546	148	1.910	185	5.365	222	8.821		

09/27/71

1 INSTALLATION DATE SEPT. 14,1960

TRUNNION CDU DAC OUTPUT

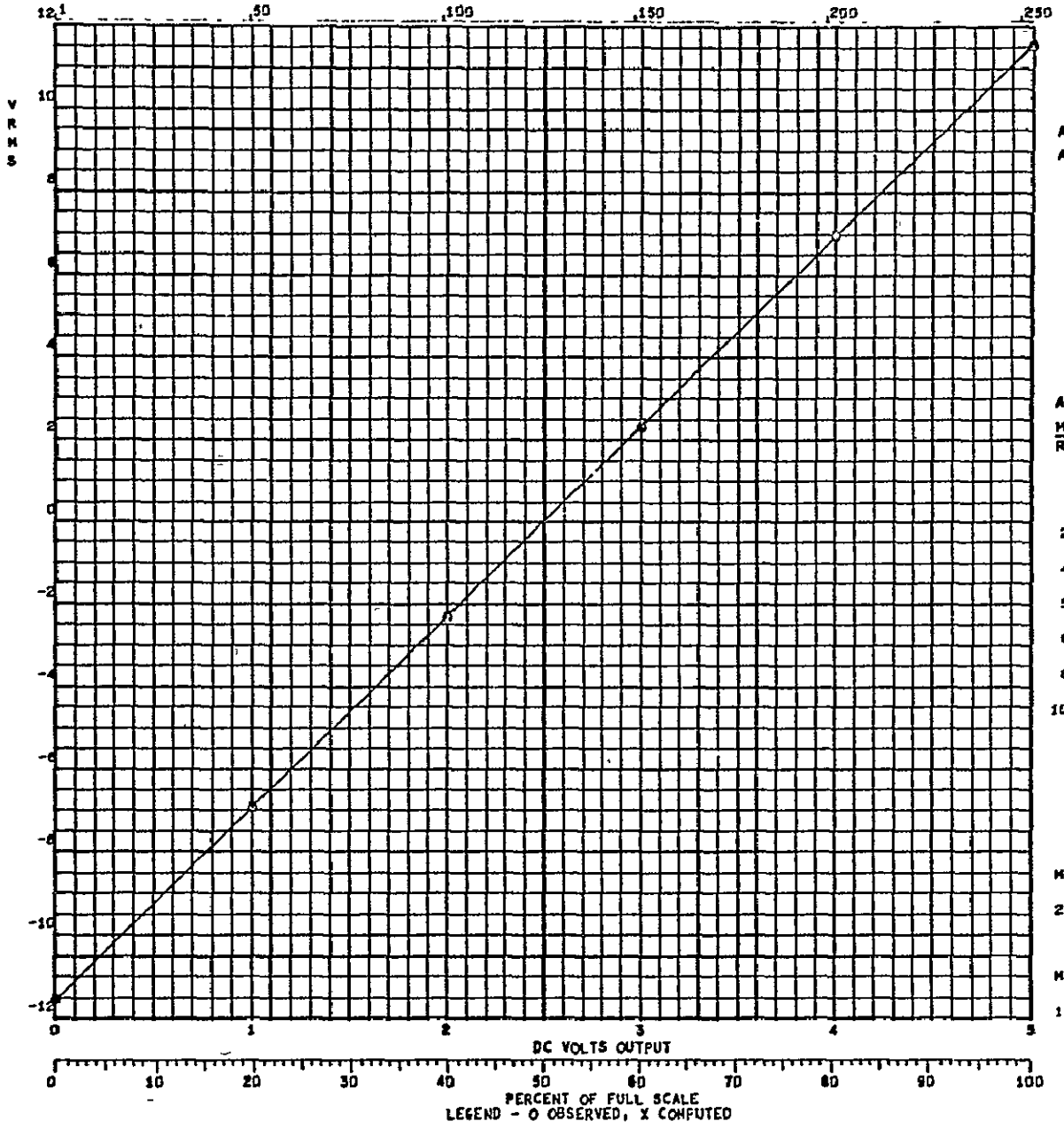
CAL RANGE -11.5610 TO 11.5776

SC-113

HARDWARE CALIB. NO. 78376 01 00 00

SERIAL NO. SCA 15

#Z1515



EQUATION COEFFICIENTS

A_0= -1.156 E 01

A_1= 4.628 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.156E 01

20% = -6.933E 00

40% = -2.306E 00

50% = 8.333E-03

60% = 2.322E 00

80% = 6.950E 00

100% = 1.158E 01

MEASUREMENT NO.

200CG3722V01

MEAS LOADING NO.

1102059 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TRUNNION CDU DAC OUTPUT

MEASUREMENT NO. 200C03722V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. SCA 15
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/14/60

CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS	CNT	VRMS
1	-11.561	38	-8.177	75	-4.793	112	-1.409	149	1.975	186	5.359	223	8.742
2	-11.469	39	-8.086	76	-4.702	113	-1.318	150	2.066	187	5.450	224	8.834
3	-11.378	40	-7.994	77	-4.610	114	-1.226	151	2.158	188	5.541	225	8.925
4	-11.287	41	-7.903	78	-4.519	115	-1.135	152	2.249	189	5.633	226	9.017
5	-11.195	42	-7.811	79	-4.427	116	-1.043	153	2.340	190	5.724	227	9.108
6	-11.104	43	-7.720	80	-4.336	117	-0.952	154	2.432	191	5.816	228	9.200
7	-11.012	44	-7.628	81	-4.244	118	-0.861	155	2.523	192	5.907	229	9.291
8	-10.921	45	-7.537	82	-4.153	119	-0.769	156	2.615	193	5.999	230	9.383
9	-10.829	46	-7.445	83	-4.061	120	-0.678	157	2.706	194	6.090	231	9.474
10	-10.738	47	-7.354	84	-3.970	121	-0.586	158	2.798	195	6.182	232	9.566
11	-10.646	48	-7.262	85	-3.879	122	-0.495	159	2.889	196	6.273	233	9.657
12	-10.555	49	-7.171	86	-3.787	123	-0.403	160	2.981	197	6.365	234	9.748
13	-10.463	50	-7.080	87	-3.696	124	-0.312	161	3.072	198	6.456	235	9.840
14	-10.372	51	-6.988	88	-3.604	125	-0.220	162	3.164	199	6.547	236	9.931
15	-10.281	52	-6.897	89	-3.513	126	-0.129	163	3.255	200	6.639	237	10.023
16	-10.189	53	-6.805	90	-3.421	127	-0.037	164	3.347	201	6.730	238	10.114
17	-10.098	54	-6.714	91	-3.330	128	0.054	165	3.438	202	6.822	239	10.206
18	-10.006	55	-6.622	92	-3.238	129	0.146	166	3.529	203	6.913	240	10.297
19	-9.915	56	-6.531	93	-3.147	130	0.237	167	3.621	204	7.005	241	10.389
20	-9.823	57	-6.439	94	-3.055	131	0.328	168	3.712	205	7.096	242	10.480
21	-9.732	58	-6.348	95	-2.964	132	0.420	169	3.804	206	7.188	243	10.572
22	-9.640	59	-6.256	96	-2.873	133	0.511	170	3.895	207	7.279	244	10.663
23	-9.549	60	-6.165	97	-2.781	134	0.603	171	3.987	208	7.371	245	10.755
24	-9.457	61	-6.074	98	-2.690	135	0.694	172	4.078	209	7.462	246	10.846
25	-9.366	62	-5.982	99	-2.598	136	0.786	173	4.170	210	7.554	247	10.937
26	-9.275	63	-5.891	100	-2.507	137	0.877	174	4.261	211	7.645	248	11.029
27	-9.183	64	-5.799	101	-2.415	138	0.969	175	4.353	212	7.736	249	11.120
28	-9.092	65	-5.708	102	-2.324	139	1.060	176	4.444	213	7.828	250	11.212
29	-9.000	66	-5.616	103	-2.232	140	1.152	177	4.535	214	7.919	251	11.303
30	-8.909	67	-5.525	104	-2.141	141	1.243	178	4.627	215	8.011	252	11.395
31	-8.817	68	-5.433	105	-2.049	142	1.334	179	4.718	216	8.102	253	11.486
32	-8.726	69	-5.342	106	-1.958	143	1.426	180	4.810	217	8.194	254	11.578
33	-8.634	70	-5.250	107	-1.867	144	1.517	181	4.901	218	8.285		
34	-8.543	71	-5.159	108	-1.775	145	1.609	182	4.993	219	8.377		
35	-8.451	72	-5.068	109	-1.684	146	1.700	183	5.084	220	8.468		
36	-8.360	73	-4.976	110	-1.592	147	1.792	184	5.176	221	8.560		
37	-8.269	74	-4.885	111	-1.501	148	1.883	185	5.267	222	8.651		

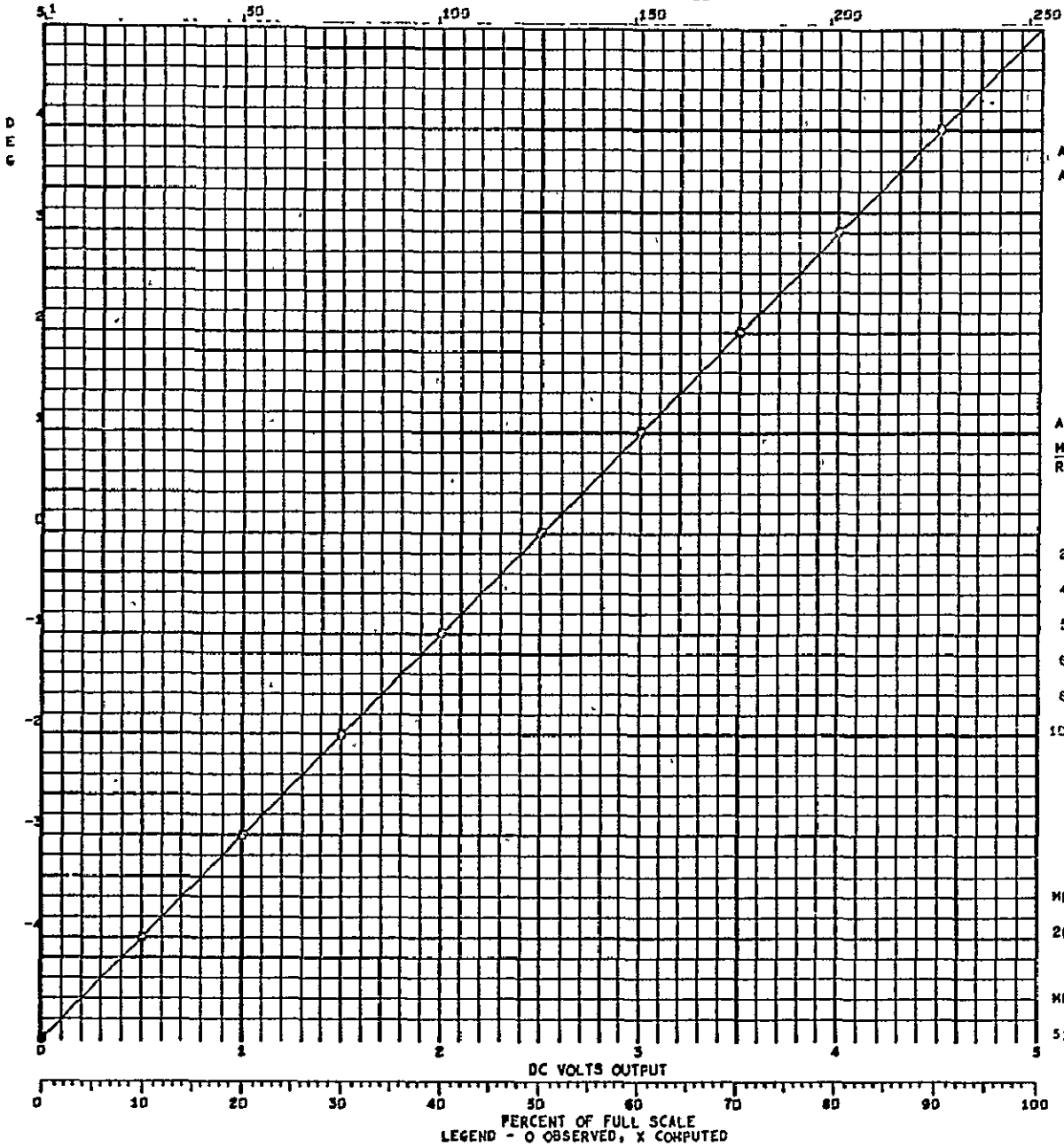
TABLE FOR MEASUREMENT 100CG4300T01 WAS NOT POSSIBLE.
TABLE FOR MEASUREMENT 100CG4300T01 WAS NOT POSSIBLE.

09/27/71
1 INSTALLATION DATE SEPT. 23,1960
FDAI CH/SH ATT ERROR PITCH
CAL RANGE -5.00081 TO 5.01520

SC-113

HARDWARE CALIB. NO. 81649 01 / 80873 01 00
SERIAL NO. 10028AAB1041 / 10028CAD1016

=21515



EQUATION COEFFICIENTS
A_0= -5.001 E 00
A_1= 2.003 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-5.001E 00
20% =-2.998E 00
40% =-9.944E-01
50% = 7.196E-03
60% = 1.009E 00
80% = 3.012E 00
100% = 5.015E 00

MEASUREMENT NO.
200CH3500H11

MEAS LOADING NO.
5191962 12 20

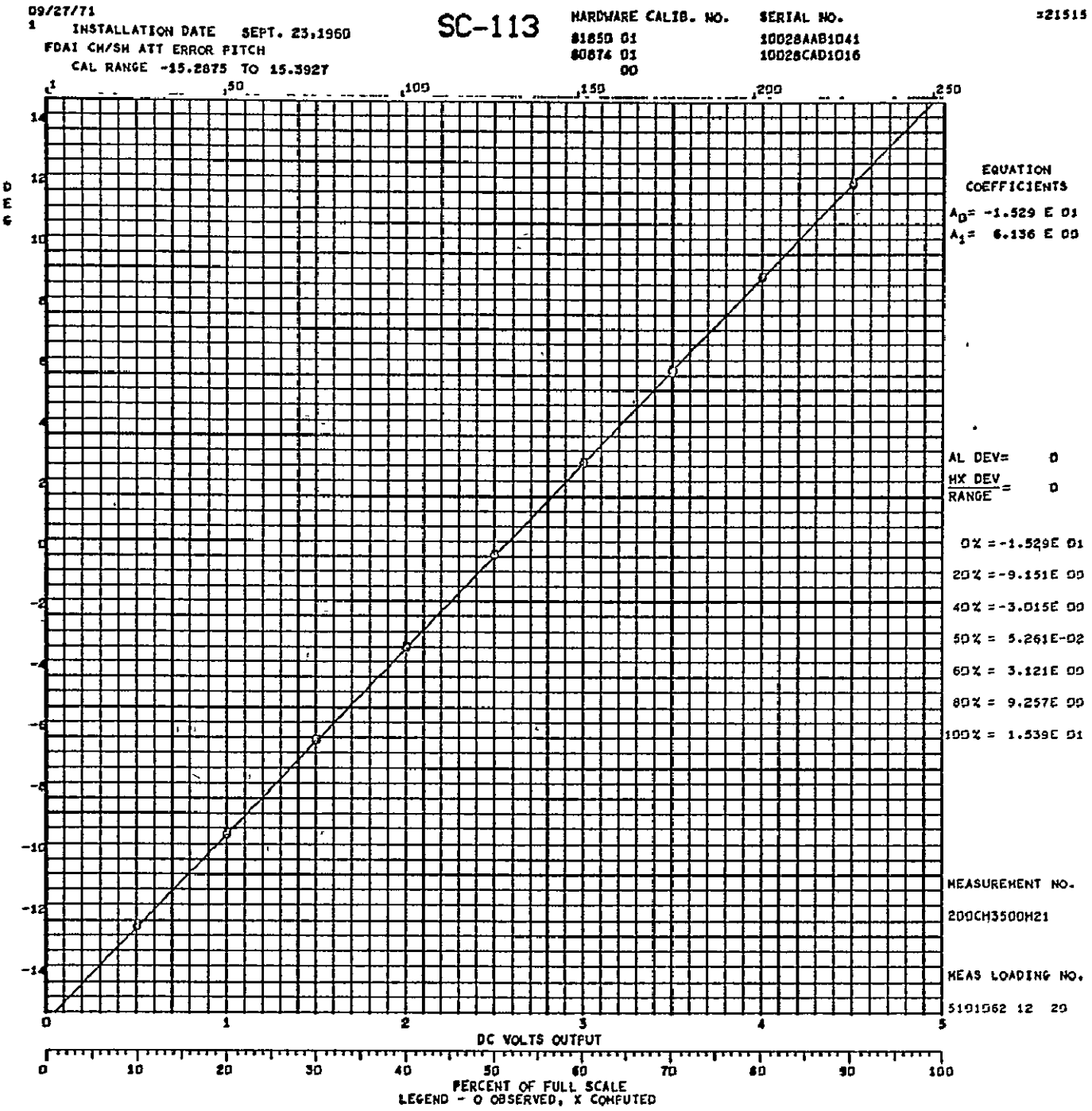
This is a multiple mode measurement. It is one of two options.
See FDIA Event Correlations on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI CM/SM ATT ERROR PITCH

MEASUREMENT NO. 200CM3500H11
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.001	38	-3.536	75	-2.071	112	-0.606	149	0.858	186	2.323	223	3.788
2	-4.961	39	-3.496	76	-2.032	113	-0.567	150	0.898	187	2.363	224	3.828
3	-4.922	40	-3.457	77	-1.992	114	-0.527	151	0.938	188	2.402	225	3.867
4	-4.882	41	-3.417	78	-1.952	115	-0.488	152	0.977	189	2.442	226	3.907
5	-4.842	42	-3.378	79	-1.913	116	-0.448	153	1.017	190	2.482	227	3.946
6	-4.803	43	-3.338	80	-1.873	117	-0.408	154	1.056	191	2.521	228	3.986
7	-4.763	44	-3.298	81	-1.834	118	-0.369	155	1.096	192	2.561	229	4.025
8	-4.724	45	-3.259	82	-1.794	119	-0,329	156	1.135	193	2.600	230	4.065
9	-4.684	46	-3.219	83	-1.755	120	-0 290	157	1.175	194	2 640	231	4.105
10	-4.645	47	-3.180	84	-1.715	121	-0.250	158	1.215	195	2.679	232	4.144
11	-4.605	48	-3.140	85	-1.675	122	-0.211	159	1.254	196	2.719	233	4.184
12	-4.565	49	-3.101	86	-1.636	123	-0.171	160	1.294	197	2.759	234	4.223
13	-4.526	50	-3.061	87	-1.596	124	-0.131	161	1.333	198	2.798	235	4.263
14	-4,486	51	-3.021	88	-1.557	125	-0.092	162	1.373	199	2.838	236	4.303
15	-4.447	52	-2.982	89	-1.517	126	-0.052	163	1.413	200	2.877	237	4,342
16	-4.407	53	-2.942	90	-1.477	127	-0.013	164	1.452	201	2.917	238	4.382
17	-4.367	54	-2.903	91	-1.438	128	0.027	165	1.492	202	2.957	239	4.421
18	-4.328	55	-2 863	92	-1.398	129	0.067	166	1.531	203	2.996	240	4.461
19	-4 288	56	-2 823	93	-1.359	130	0.106	167	1.571	204	3.036	241	4.501
20	-4.249	57	-2.784	94	-1.319	131	0.146	168	1.611	205	3.075	242	4.540
21	-4.209	58	-2.744	95	-1.279	132	0.185	169	1.650	206	3.115	243	4 580
22	-4.169	59	-2.705	96	-1.240	133	0.225	170	1.690	207	3.155	244	4.619
23	-4.130	60	-2.665	97	-1.200	134	0.265	171	1.729	208	3.194	245	4.659
24	-4.090	61	-2.625	98	-1.161	135	0.304	172	1.769	209	3.234	246	4.698
25	-4.051	62	-2.586	99	-1.121	136	0.344	173	1.808	210	3.273	247	4.738
26	-4.011	63	-2.546	100	-1.082	137	0,383	174	1.848	211	3.313	248	4.778
27	-3.971	64	-2.507	101	-1 042	138	0.423	175	1.888	212	3.352	249	4.817
28	-3.932	65	-2.467	102	-1.002	139	0.462	176	1.927	213	3,392	250	4.857
29	-3.892	66	-2.428	103	-0.963	140	0.502	177	1.967	214	3.432	251	4.896
30	-3 853	67	-2.388	104	-0.923	141	0.542	178	2,006	215	3.471	252	4 936
31	-3.813	68	-2.348	105	-0.884	142	0 581	179	2.046	216	3.511	253	4 976
32	-3.774	69	-2.309	106	-0 844	143	0.621	180	2.086	217	3.550	254	5 015
33	-3.734	70	-2.269	107	-0.804	144	0.660	181	2.125	218	3.590		
34	-3.694	71	-2.230	108	-0.765	145	0.700	182	2.165	219	3.630		
35	-3.655	72	-2.190	109	-0.725	146	0.740	183	2.204	220	3.669		
36	-3.615	73	-2.150	110	-0.686	147	0.779	184	2.244	221	3.709		
37	-3.576	74	-2.111	111	-0.646	148	0.819	185	2 284	222	3.748		



This is a multiple mode measurement. It is two of two options.
See FDIA Event Correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI CM/SM ATT ERROR PITCH

MEASUREMENT NO 2000H3500H21
VEHICLE SC-113
TRANSDUCER SERIAL NO. 19028AAB1041
SIGNAL CONDITIONER SERIAL NO. 19028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

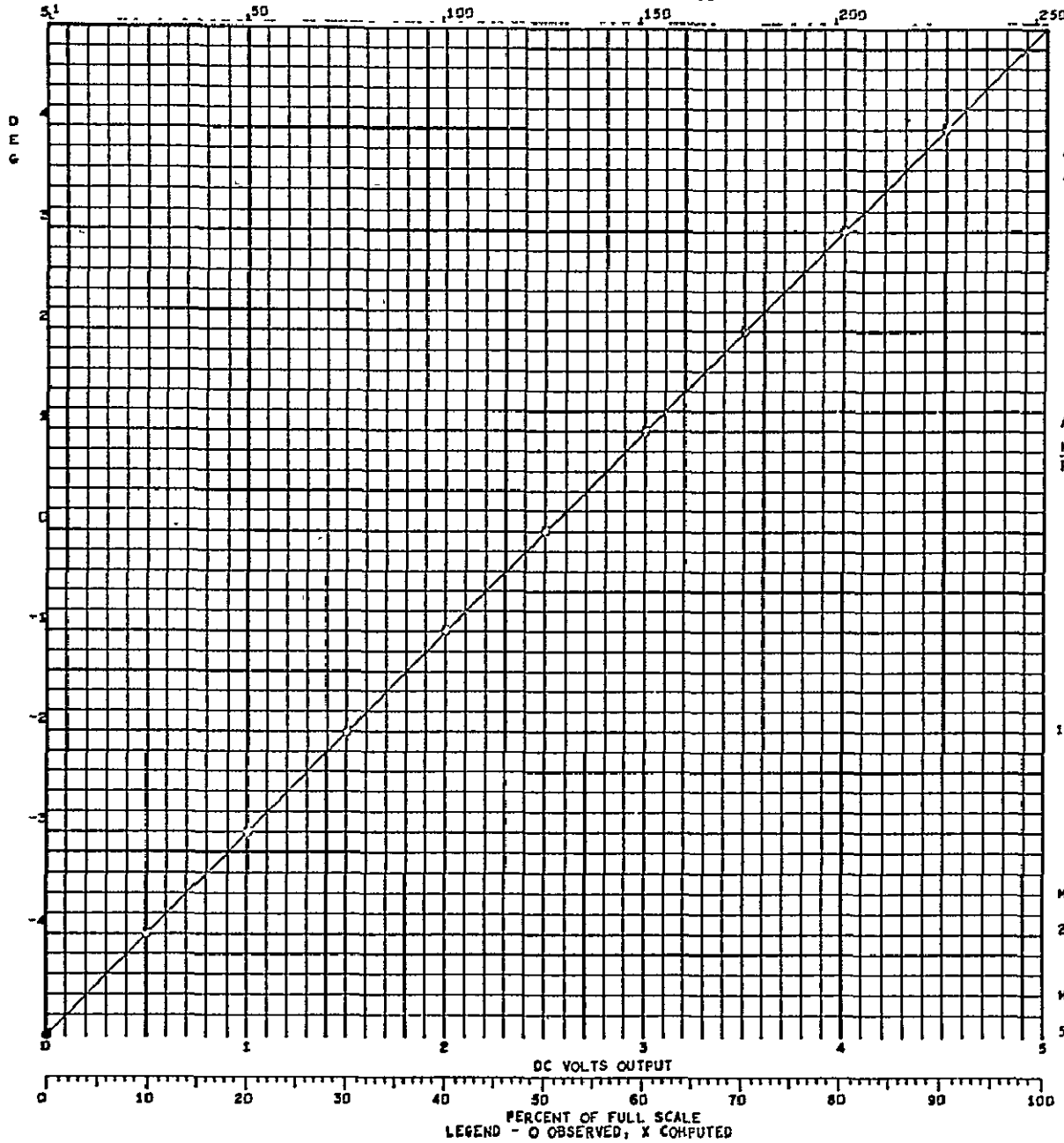
CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-15.288	38	-10.801	75	-6.314	112	-1.827	149	2.660	186	7.147	223	11.633
2	-15.166	39	-10.679	76	-6.193	113	-1.706	150	2.781	187	7.268	224	11.755
3	-15.045	40	-10.558	77	-6.071	114	-1.584	151	2.902	188	7.389	225	11.876
4	-14.924	41	-10.437	78	-5.950	115	-1.463	152	3.024	189	7.510	226	11.997
5	-14.802	42	-10.316	79	-5.829	116	-1.342	153	3.145	190	7.632	227	12.119
6	-14.681	43	-10.194	80	-5.708	117	-1.221	154	3.266	191	7.753	228	12.240
7	-14.560	44	-10.073	81	-5.586	118	-1.099	155	3 387	192	7.874	229	12.361
8	-14.439	45	-9.952	82	-5.465	119	-0.978	156	3.509	193	7.996	230	12.482
9	-14.317	46	-9.831	83	-5.344	120	-0.857	157	3.630	194	8.117	231	12.604
10	-14.196	47	-9.709	84	-5.222	121	-0.736	158	3.751	195	8.238	232	12.725
11	-14.075	48	-9.588	85	-5.101	122	-0.614	159	3.872	196	8.359	233	12.846
12	-13.954	49	-9.467	86	-4.980	123	-0.493	160	3.994	197	8.481	234	12.967
13	-13.832	50	-9.345	87	-4.859	124	-0.372	161	4.115	198	8.602	235	13.089
14	-13.711	51	-9.224	88	-4.737	125	-0.251	162	4.236	199	8.723	236	13.210
15	-13 590	52	-9.103	89	-4.616	126	-0.129	163	4.358	200	8.844	237	13.331
16	-13.469	53	-8.982	90	-4.495	127	-0.008	164	4.479	201	8 966	238	13.452
17	-13.347	54	-8.860	91	-4.374	128	0.113	165	4.600	202	9.087	239	13.574
18	-13 226	55	-8.739	92	-4.252	129	0.235	166	4.721	203	9.208	240	13.695
19	-13.105	56	-8.618	93	-4.131	130	0.356	167	4.843	204	9.329	241	13.816
20	-12.983	57	-8.497	94	-4.010	131	0.477	168	4.964	205	9.451	242	13.938
21	-12.862	58	-8.375	95	-3.889	132	0.598	169	5.085	206	9.572	243	14.059
22	-12.741	59	-8.254	96	-3.767	133	0.720	170	5.206	207	9.693	244	14.180
23	-12.620	60	-8.133	97	-3.646	134	0.841	171	5.328	208	9.814	245	14.301
24	-12 498	61	-8.012	98	-3.525	135	0.962	172	5.449	209	9.936	246	14 423
25	-12.377	62	-7.890	99	-3.403	136	1.083	173	5,570	210	10.057	247	14.544
26	-12.256	63	-7.769	100	-3.282	137	1.205	174	5.691	211	10 178	248	14.665
27	-12.135	64	-7.648	101	-3.161	138	1.326	175	5.813	212	10.300	249	14.786
28	-12.013	65	-7.526	102	-3 040	139	1.447	176	5.934	213	10,421	250	14.908
29	-11.892	66	-7.405	103	-2.918	140	1.568	177	6.055	214	10.542	251	15 029
30	-11.771	67	-7.284	104	-2.797	141	1.690	178	6.177	215	10.663	252	15.150
31	-11 650	68	-7.163	105	-2.676	142	1.811	179	6.298	216	10 785	253	15.271
32	-11.528	69	-7.041	106	-2.555	143	1.932	180	6.419	217	10.906	254	15.393
33	-11.407	70	-6.920	107	-2 433	144	2.053	181	6.540	218	11.027		
34	-11.286	71	-6.799	108	-2.312	145	2.175	182	6.662	219	11.148		
35	-11.164	72	-6.678	109	-2.191	146	2 296	183	6.783	220	11.270		
36	-11 043	73	-6 556	110	-2.070	147	2.417	184	6.904	221	11.391		
37	-10.922	74	-6.435	111	-1.948	148	2 539	185	7.025	222	11.512		

09/27/71
1 INSTALLATION DATE SEPT. 23,1960
FDAI CM/SM ATT ERROR YAW
CAL RANGE -5.00178 TO 5.01406

SC-113

HARDWARE CALIB. NO. SERIAL NO.
81851 01 10028AA81041
80875 01 10028CA01016
00

=21515



EQUATION COEFFICIENTS
A_0= -5.002 E 00
A_1= 2.003 E 00

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MX DEV / RANGE = 0

0% =-5.002E 00
20% =-2.998E 00
40% =-9.952E-01
50% = 6.439E-03
60% = 1.008E 00
80% = 3.011E 00
100% = 5.015E 00

MEASUREMENT NO.
200CH3501M11

MEAS LOADING NO.
5101063 12 20

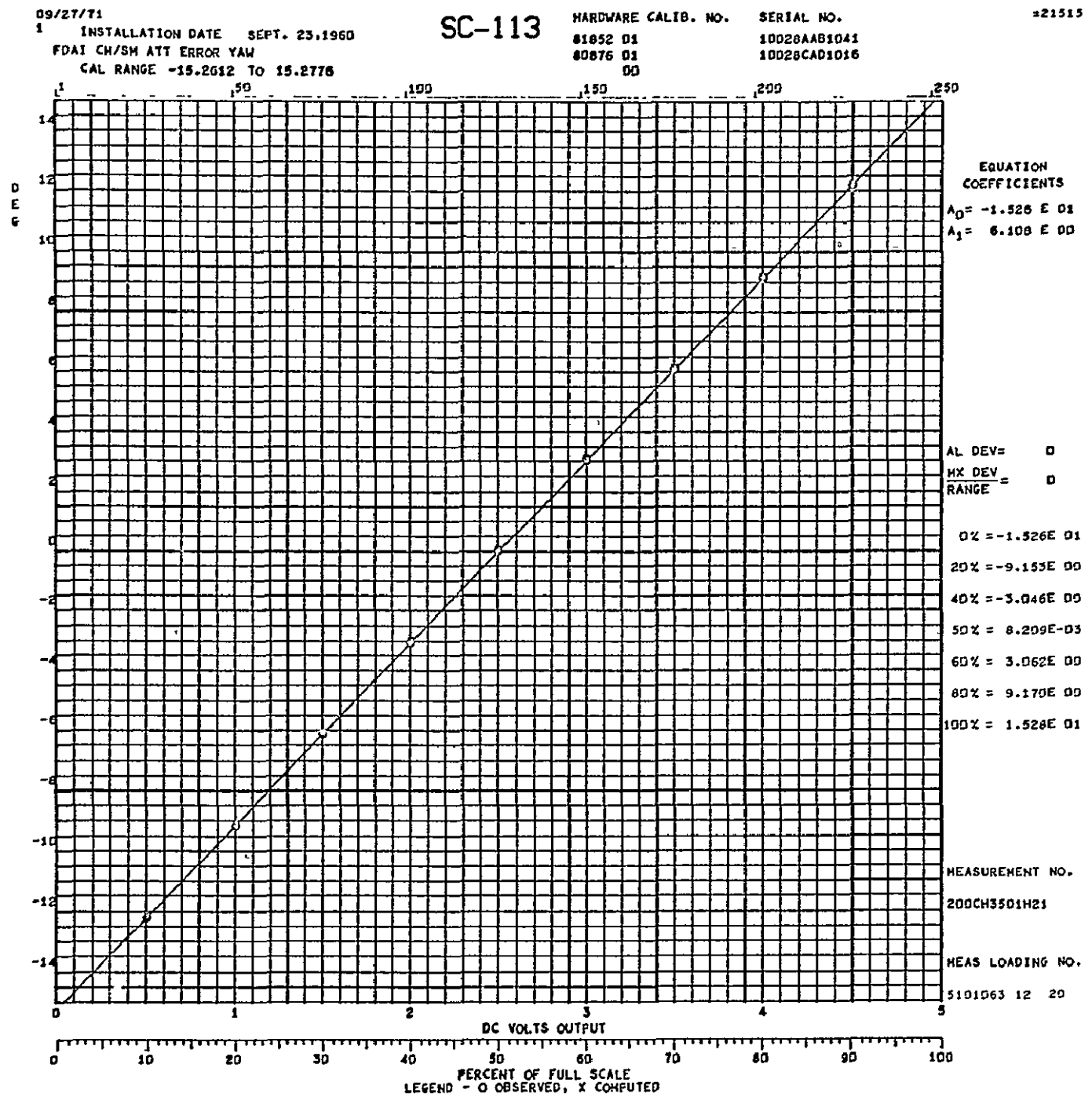
This is a multiple mode measurement. It is one of two options.
See FDIA Event Correlation on page 4-5

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI CH/SM ATT ERROR YAW

MEASUREMENT NO. 2000H3501H11
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.002	38	-3.537	75	-2.072	112	-0.607	149	0 858	186	2.322	223	3.787
2	-4.962	39	-3.497	76	-2.032	113	-0.568	150	0 897	187	2.362	224	3.827
3	-4.923	40	-3.458	77	-1.993	114	-0.528	151	0.937	188	2.402	225	3 867
4	-4.883	41	-3.418	78	-1.953	115	-0.488	152	0 976	189	2.441	226	3.906
5	-4.843	42	-3.379	79	-1.914	116	-0.449	153	1.016	190	2.481	227	3.946
6	-4.804	43	-3.339	80	-1 874	117	-0.409	154	1.056	191	2 520	228	3.985
7	-4.764	44	-3 299	81	-1.835	118	-0.370	155	1.095	192	2.560	229	4.025
8	-4.725	45	-3.260	82	-1.795	119	-0.330	156	1.135	193	2.600	230	4.064
9	-4.685	46	-3.220	83	-1.755	120	-0.290	157	1.174	194	2.639	231	4.104
10	-4.645	47	-3.181	84	-1.716	121	-0.251	158	1.214	195	2.679	232	4.144
11	-4.606	48	-3.141	85	-1.676	122	-0.211	159	1.254	196	2.718	233	4.183
12	-4.566	49	-3.101	86	-1.637	123	-0.172	160	1.293	197	2.758	234	4.223
13	-4.527	50	-3.062	87	-1.597	124	-0.132	161	1.333	198	2.798	235	4.262
14	-4.487	51	-3.022	88	-1.557	125	-0.093	162	1.372	199	2.837	236	4.302
15	-4.448	52	-2.983	89	-1.518	126	-0.053	163	1.412	200	2.877	237	4.342
16	-4.408	53	-2.943	90	-1.478	127	-0.013	164	1.451	201	2.916	238	4.381
17	-4.368	54	-2.903	91	-1.439	128	0.026	165	1.491	202	2.956	239	4.421
18	-4.329	55	-2.864	92	-1 399	129	0.066	166	1.531	203	2.996	240	4.460
19	-4.289	56	-2.824	93	-1.359	130	0.105	167	1.570	204	3.035	241	4.500
20	-4.250	57	-2.785	94	-1.320	131	0.145	168	1.610	205	3.075	242	4.540
21	-4.210	58	-2.745	95	-1.280	132	0.185	169	1.649	206	3.114	243	4.579
22	-4.170	59	-2.706	96	-1.241	133	0.224	170	1.689	207	3.154	244	4.619
23	-4.131	60	-2.666	97	-1.201	134	0 264	171	1.729	208	3.193	245	4.658
24	-4.091	61	-2.626	98	-1.161	135	0.303	172	1.768	209	3.233	246	4.698
25	-4.052	62	-2.587	99	-1.122	136	0.343	173	1 808	210	3.273	247	4.738
26	-4.012	63	-2.547	100	-1.082	137	0.383	174	1.847	211	3.312	248	4.777
27	-3.972	64	-2.508	101	-1.043	138	0.422	175	1.887	212	3.352	249	4.817
28	-3.933	65	-2.468	102	-1.003	139	0.462	176	1.927	213	3.391	250	4.856
29	-3.893	66	-2.428	103	-0.964	140	0.501	177	1.966	214	3.431	251	4.896
30	-3.854	67	-2.389	104	-0.924	141	0.541	178	2.006	215	3.471	252	4.935
31	-3.814	68	-2.349	105	-0.884	142	0.581	179	2.045	216	3.510	253	4.975
32	-3.774	69	-2.310	106	-0 845	143	0 620	180	2 085	217	3.550	254	5.015
33	-3.735	70	-2.270	107	-0.805	144	0.660	181	2.125	218	3.589		
34	-3.695	71	-2 230	108	-0 766	145	0.699	182	2.164	219	3.629		
35	-3.656	72	-2.191	109	-0.726	146	0.739	183	2 204	220	3.669		
36	-3.616	73	-2.151	110	-0.686	147	0.778	184	2.243	221	3.708		
37	-3.577	74	-2.112	111	-0.647	148	0 818	185	2.283	222	3.748		



This is a multiple mode measurement. It is two of two options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR YAW

MEASUREMENT NO. 200H3501H21
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CA01016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-15.261	38	-10.795	75	-6.329	112	-1.863	149	2.603	186	7.070	223	11.536
2	-15.140	39	-10 674	76	-6.208	113	-1.742	150	2 724	187	7.190	224	11.656
3	-15.020	40	-10 554	77	-6 087	114	-1.621	151	2.845	188	7.311	225	11.777
4	-14.899	41	-10.433	78	-5.967	115	-1.501	152	2.966	189	7.432	226	11.898
5	-14.778	42	-10.312	79	-5.846	116	-1.380	153	3.086	190	7.552	227	12 019
6	-14.658	43	-10.192	80	-5.725	117	-1.259	154	3 207	191	7.673	228	12.139
7	-14.537	44	-10.071	81	-5.605	118	-1.139	155	3.328	192	7.794	229	12.260
8	-14.416	45	-9.950	82	-5.484	119	-1.018	156	3.448	193	7.914	230	12.381
9	-14.296	46	-9.829	83	-5.363	120	-0.897	157	3.569	194	8.035	231	12.501
10	-14.175	47	-9.709	84	-5.243	121	-0.776	158	3.690	195	8.156	232	12.622
11	-14.054	48	-9.588	85	-5.122	122	-0.656	159	3 810	196	8 277	233	12.743
12	-13.933	49	-9.467	86	-5.001	123	-0.535	160	3 931	197	8.397	234	12.863
13	-13.813	50	-9.347	87	-4 880	124	-0.414	161	4.052	198	8.518	235	12.984
14	-13.692	51	-9.226	88	-4.760	125	-0.294	162	4.173	199	8.639	236	13 105
15	-13.571	52	-9.105	89	-4.639	126	-0.173	163	4.293	200	8.759	237	13 226
16	-13.451	53	-8.984	90	-4.518	127	-0.052	164	4.414	201	8 880	238	13.346
17	-13.330	54	-8 864	91	-4.398	128	0.069	165	4.535	202	9.001	239	13.467
18	-13 209	55	-8 743	92	-4.277	129	0.189	166	4.655	203	9.122	240	13 588
19	-13.088	56	-8.622	93	-4.156	130	0.310	167	4.776	204	9 242	241	13.708
20	-12.968	57	-8.502	94	-4.035	131	0.431	168	4.897	205	9.363	242	13.829
21	-12.847	58	-8.381	95	-3.915	132	0.551	169	5.018	206	9.484	243	13 950
22	-12.726	59	-8 260	96	-3.794	133	0.672	170	5.138	207	9.604	244	14.071
23	-12.606	60	-8.139	97	-3 673	134	0.793	171	5 259	208	9.725	245	14.191
24	-12.485	61	-8.019	98	-3.553	135	0.914	172	5.380	209	9 846	246	14.312
25	-12.364	62	-7.898	99	-3.432	136	1.034	173	5.500	210	9.967	247	14 433
26	-12.244	63	-7.777	100	-3 311	137	1.155	174	5.621	211	10.087	248	14.553
27	-12.123	64	-7.657	101	-3.191	138	1.276	175	5.742	212	10.208	249	14.674
28	-12.002	65	-7.536	102	-3 070	139	1.396	176	5.862	213	10.329	250	14.795
29	-11.881	66	-7.415	103	-2 949	140	1.517	177	5 983	214	10.449	251	14 915
30	-11.761	67	-7 295	104	-2.828	141	1.638	178	6.104	215	10 570	252	15.036
31	-11.640	68	-7.174	105	-2.708	142	1.758	179	6 225	216	10.691	253	15.157
32	-11.519	69	-7.053	106	-2 587	143	1 879	180	6.345	217	10 811	254	15 278
33	-11.399	70	-6.932	107	-2 466	144	2.000	181	6.466	218	10.932		
34	-11.278	71	-6 812	108	-2.346	145	2.121	182	6.587	219	11.053		
35	-11.157	72	-6 691	109	-2 225	146	2.241	183	6.707	220	11.174		
36	-11.036	73	-6.570	110	-2.104	147	2.362	184	6.828	221	11.294		
37	-10.916	74	-6.450	111	-1.983	148	2.483	185	6.949	222	11.415		

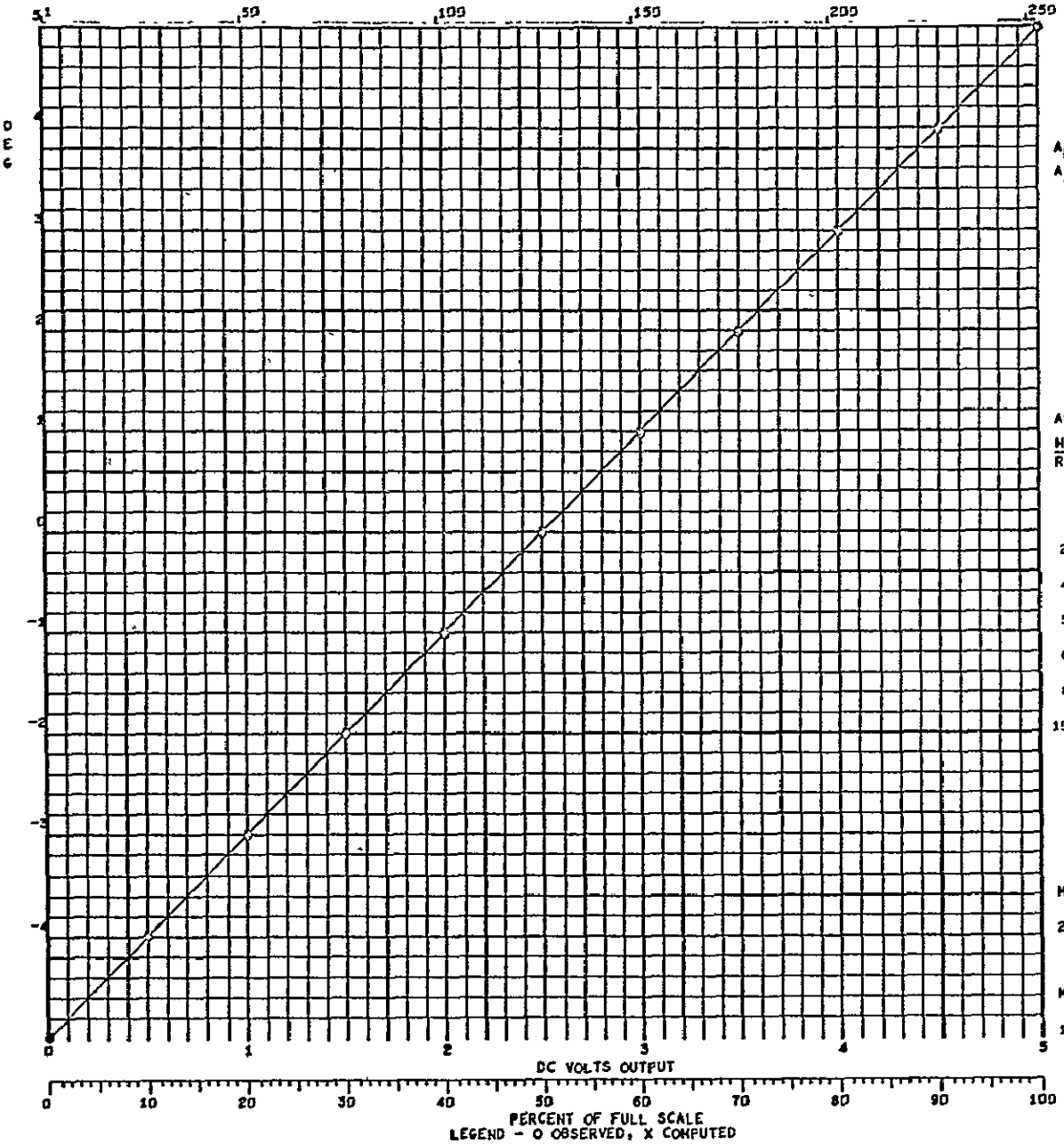
09/27/71
1 INSTALLATION DATE SEPT. 23,1960
FDAI CH/SH ATT ERROR ROLL
CAL RANGE -4.98002 TO 4.98334

SC-113

HARDWARE CALIB. NO.
81853 01
80877 01
00

SERIAL NO.
10028AAB1041
10028CAD1016

=21515



EQUATION COEFFICIENTS
A_0= -4.989 E 00
A_1= 1.994 E 00

AL DEV= 0
NX DEV / RANGE = 0

0% = -4.989E 00
20% = -2.994E 00
40% = -1.000E 00
50% = -2.741E-03
60% = 9.945E-01
80% = 2.989E 00
100% = 4.983E 00

MEASUREMENT NO.
200CH3502H11

MEAS LOADING NO.
1201016 12 20

This is a multiple mode measurement. It is one of four options.
See FDIA Event Correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI CM/SM ATT ERROR ROLL

MEASUREMENT NO. 200CM3502H11
VEHICLE SC-113
TRANSDUCER-SERIAL NO. 10028AAB1041—
SIGNAL CONDITIONER SERIAL NO. 10028CAC1016
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 09/23/60

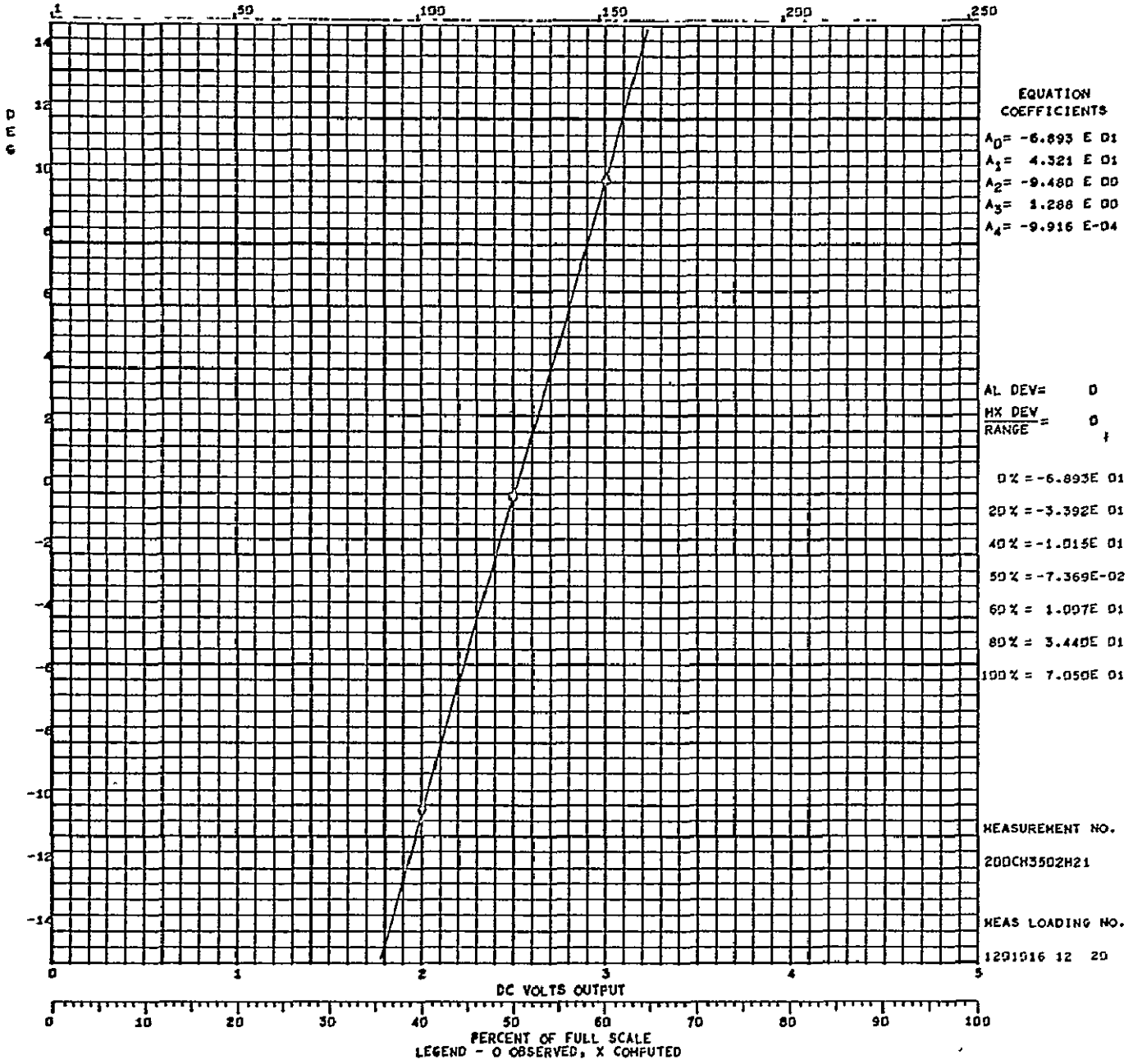
CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-4.989	38	-3.530	75	-2.072	112	-0.614	149	0.845	186	2 303	223	3.761
2	-4.949	39	-3.491	76	-2.033	113	-0.574	150	0 884	187	2.342	224	3.801
3	-4.910	40	-3.452	77	-1.993	114	-0.535	151	0 924	188	2.382	225	3 840
4	-4.871	41	-3.412	78	-1.954	115	-0 495	152	0.963	189	2.421	226	3.880
5	-4.831	42	-3.373	79	-1.914	116	-0.456	153	1.002	190	2.461	227	3.919
6	-4.792	43	-3.333	80	-1.875	117	-0.417	154	1.042	191	2.500	228	3.959
7	-4.752	44	-3.294	81	-1.836	118	-0.377	155	1.081	192	2 540	229	3.998
8	-4.713	45	-3 255	82	-1.796	119	-0.338	156	1.121	193	2.579	230	4.037
9	-4.673	46	-3 215	83	-1.757	120	-0.298	157	1.160	194	2.618	231	4.077
10	-4 634	47	-3.176	84	-1.717	121	-0.259	158	1.199	195	2.658	232	4.116
11	-4.595	48	-3.136	85	-1.678	122	-0.220	159	1.239	196	2.697	233	4.156
12	-4.555	49	-3.097	86	-1 638	123	-0.180	160	1.278	197	2 737	234	4.195
13	-4.516	50	-3.057	87	-1.599	124	-0.141	161	1.318	198	2.776	235	4.234
14	-4.476	51	-3.018	88	-1.560	125	-0.101	162	1.357	199	2.815	236	4.274
15	-4.437	52	-2.979	89	-1.520	126	-0 062	163	1.397	200	2.855	237	4.313
16	-4.398	53	-2.939	90	-1.481	127	-0.022	164	1.436	201	2.894	238	4.353
17	-4.358	54	-2.900	91	-1.441	128	0.017	165	1.475	202	2 934	239	4.392
18	-4.319	55	-2.860	92	-1.402	129	0.056	166	1.515	203	2.973	240	4.432
19	-4.279	56	-2 821	93	-1.363	130	0.096	167	1.554	204	3.013	241	4.471
20	-4.240	57	-2.782	94	-1.323	131	0.135	168	1.594	205	3.052	242	4.510
21	-4.201	58	-2.742	95	-1.284	132	0.175	169	1.633	206	3 091	243	4.550
22	-4.161	59	-2.703	96	-1.244	133	0.214	170	1.672	207	3.131	244	4 589
23	-4.122	60	-2.663	97	-1.205	134	0.253	171	1.712	208	3 170	245	4.629
24	-4.082	61	-2.624	98	-1.166	135	0.293	172	1.751	209	3.210	246	4.668
25	-4.043	62	-2 584	99	-1.126	136	0.332	173	1.791	210	3.249	247	4.707
26	-4 003	63	-2.545	100	-1.087	137	0 372	174	1.830	211	3.288	248	4.747
27	-3.964	64	-2.506	101	-1.047	138	0.411	175	1.870	212	3 328	249	4.786
28	-3.925	65	-2.466	102	-1.008	139	0.451	176	1.909	213	3.367	250	4.826
29	-3.885	66	-2.427	103	-0 968	140	0.490	177	1.948	214	3.407	251	4.865
30	-3.846	67	-2.387	104	-0.929	141	0.529	178	1.988	215	3.446	252	4.905
31	-3.806	68	-2.348	105	-0.890	142	0 569	179	2.027	216	3.486	253	4.944
32	-3.767	69	-2.309	106	-0.850	143	0.608	180	2.067	217	3 525	254	4.983
33	-3.728	70	-2 269	107	-0 811	144	0.648	181	2 106	218	3.564		
34	-3.688	71	-2 230	108	-0.771	145	0.687	182	2.145	219	3.604		
35	-3.649	72	-2.190	109	-0.732	146	0 726	183	2 185	220	3.643		
36	-3 609	73	-2.151	110	-0.693	147	0.766	184	2.224	221	3 683		
37	-3.570	74	-2.111	111	-0 653	148	0 805	185	2 264	222	3 722		

09/27/71
4 INSTALLATION DATE SEPT. 23,1960
FDAI CH/SH ATT ERROR ROLL
CAL RANGE -60.9344 TO 70.4973

SC-113

HARDWARE CALIB. NO. SERIAL NO.
81656 01 10028AAB1041
80876 01 10028CAD1016
00

±21515



This is a multiple mode measurement. It is two of four options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CH/SM ATT ERROR ROLL

MEASUREMENT NO. 200CH3502A21
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/80

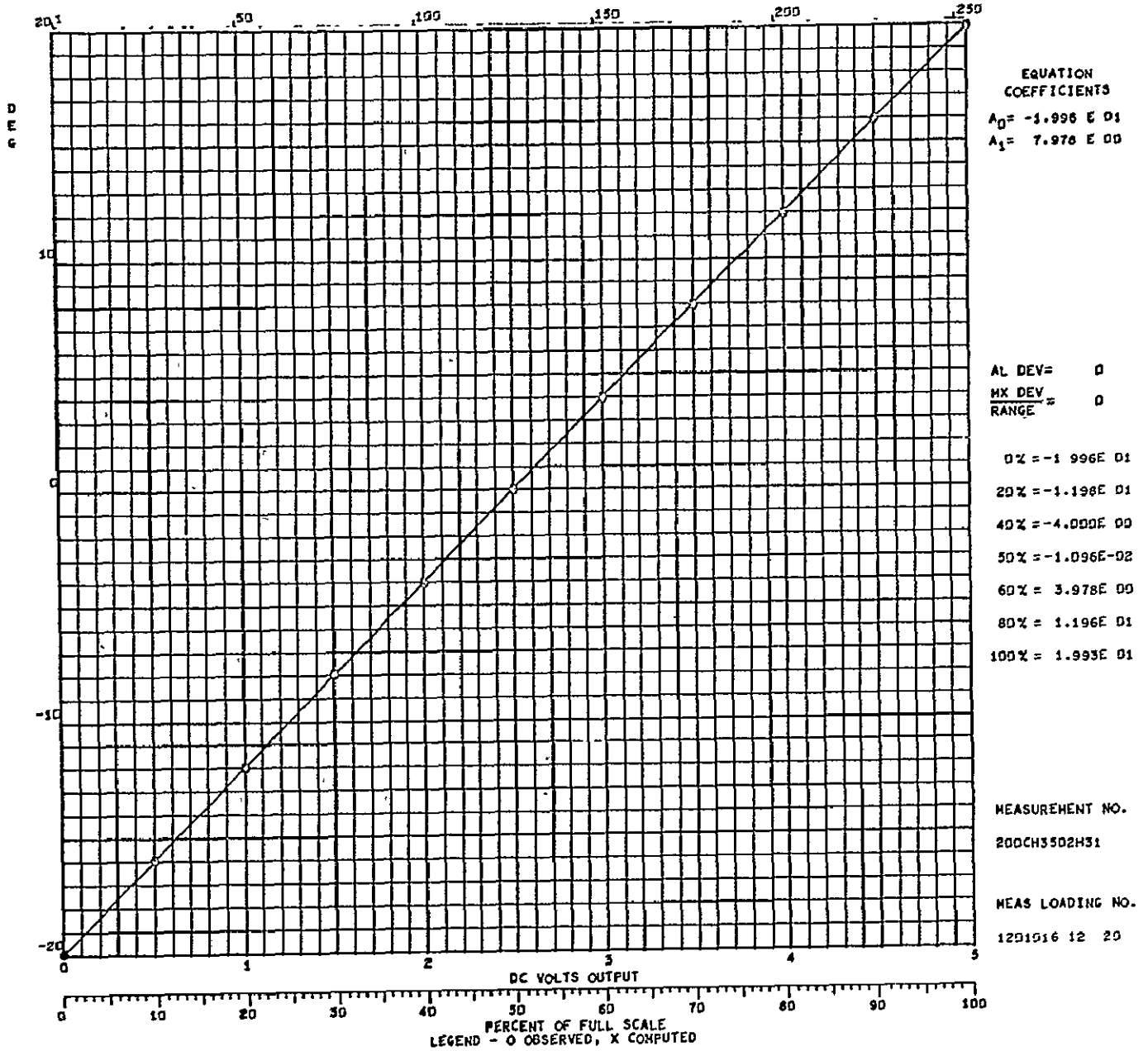
CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-68.934	38	-41.904	75	-21.994	112	-6.192	149	8.505	186	25 096	223	46 571
2	-68.084	39	-41.286	76	-21.526	113	-5.794	150	8.915	187	25.598	224	47.247
3	-67.241	40	-40.673	77	-21.062	114	-5.397	151	9.326	188	26.105	225	47.929
4	-66.406	41	-40.065	78	-20.600	115	-5.000	152	9.739	189	26.615	226	48.617
5	-65.577	42	-39.462	79	-20.141	116	-4.604	153	10.154	190	27.129	227	49.311
6	-64.756	43	-38.864	80	-19.685	117	-4.208	154	10.570	191	27.646	228	50 010
7	-63.942	44	-38.271	81	-19.231	118	-3.813	155	10.988	192	28.168	229	50.716
8	-63.135	45	-37.683	82	-18.781	119	-3.418	156	11.407	193	28.693	230	51.428
9	-62.335	46	-37.099	83	-18 332	120	-3.024	157	11.829	194	29.222	231	52.146
10	-61.542	47	-36.521	84	-17.887	121	-2.630	158	12.252	195	29.756	232	52 870
11	-60.755	48	-35.947	85	-17.444	122	-2.236	159	12.677	196	30.293	233	53.601
12	-59.976	49	-35.377	86	-17.003	123	-1.843	160	13.104	197	30.835	234	54.338
13	-59.203	50	-34.812	87	-16 564	124	-1.450	161	13.533	198	31.381	235	55.081
14	-58.437	51	-34.252	88	-16.128	125	-1.057	162	13.965	199	31.931	236	55.831
15	-57.678	52	-33.696	89	-15.694	126	-0.663	163	14.398	200	32 485	237	56.587
16	-56.925	53	-33.144	90	-15.262	127	-0.270	164	14.834	201	33 044	238	57.350
17	-56.178	54	-32.597	91	-14.833	128	0.123	165	15 271	202	33 608	239	58.120
18	-55.439	55	-32 054	92	-14.405	129	0.516	166	15.712	203	34.176	240	58 896
19	-54.705	56	-31.515	93	-13 979	130	0.910	167	16.154	204	34.748	241	59 679
20	-53.978	57	-30.980	94	-13.556	131	1.304	168	16.599	205	35.325	242	60.468
21	-53.257	58	-30 450	95	-13.134	132	1.698	169	17.047	206	35.907	243	61.265
22	-52.542	59	-29.923	96	-12.714	133	2.092	170	17.497	207	36.493	244	62.068
23	-51.834	60	-29 400	97	-12 296	134	2.487	171	17.950	208	37.085	245	62.879
24	-51.131	61	-28.882	98	-11 879	135	2.883	172	18.405	209	37 681	246	63.696
25	-50.435	62	-28.367	99	-11.464	136	3.279	173	18.863	210	38 282	247	64.521
26	-49.745	63	-27.855	100	-11.051	137	3.676	174	19.324	211	38 888	248	65.353
27	-49.060	64	-27.348	101	-10.639	138	4.073	175	19.788	212	39.499	249	66.192
28	-48.381	65	-26.844	102	-10 229	139	4.471	176	20 255	213	40.115	250	67.038
29	-47.709	66	-26.344	103	-9 820	140	4 870	177	20.724	214	40 736	251	67.892
30	-47.042	67	-25.847	104	-9.412	141	5.270	178	21.197	215	41.363	252	68 753
31	-46.380	68	-25.354	105	-9.006	142	5.670	179	21.673	216	41.995	253	69.621
32	-45.724	69	-24.864	106	-8 601	143	6.072	180	22.152	217	42.632	254	70.497
33	-45.074	70	-24.378	107	-8 197	144	6.474	181	22.634	218	43 275		
34	-44.429	71	-23.895	108	-7.794	145	6.878	182	23.120	219	43.923		
35	-43.790	72	-23 415	109	-7.392	146	7.283	183	23.609	220	44.576		
36	-43.156	73	-22.938	110	-6.991	147	7.689	184	24 101	221	45.235		
37	-42.527	74	-22.464	111	-6 591	148	8.096	185	24.596	222	45 900		

09/27/71
1 INSTALLATION DATE SEPT. 23,1960
FDAI CH/SH ATT ERROR ROLL
CAL RANGE -19.9553 TO 19.9333

SC-113

HARDWARE CALIB. NO. SERIAL NO.
81854 01 10028AAB1041
80877 01 10028CAD1016
00

=21515



EQUATION COEFFICIENTS

A_0= -1.996 E 01
A_1= 7.976 E 00

AL DEV= 0
HX DEV / RANGE = 0

0% =-1 996E 01
20% =-1.196E 01
40% =-4.000E 00
50% =-1.096E-02
60% = 3.978E 00
80% = 1.196E 01
100% = 1.993E 01

MEASUREMENT NO.
200CH3502H31

MEAS LOADING NO.
1201016 12 20

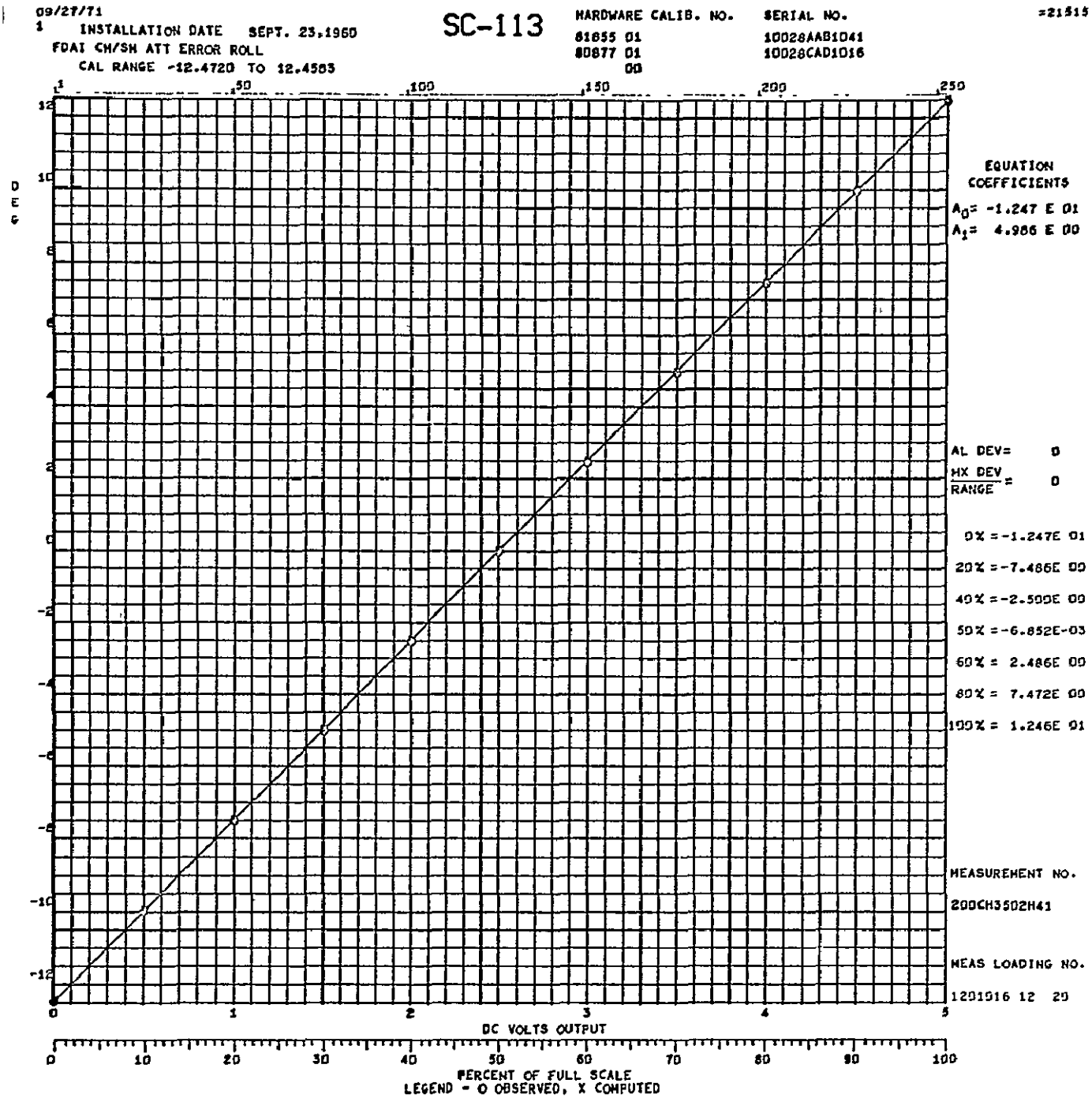
This is a multiple mode measurement. It is three of four options.
See FDIA Event Correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI CH/SM ATT ERROR ROLL

MEASUREMENT NO. 200CM3502H31
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER-SERIAL NO. 10028CAC1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-19.955	38	-14.122	75	-8.288	112	-2.455	149	3.379	186	9.212	223	15.046
2	-19.798	39	-13.964	76	-8.131	113	-2.297	150	3.536	187	9.370	224	15.203
3	-19.640	40	-13.806	77	-7.973	114	-2.139	151	3.694	188	9.528	225	15.361
4	-19.482	41	-13.649	78	-7.815	115	-1.982	152	3.852	189	9.685	226	15.519
5	-19.325	42	-13.491	79	-7.658	116	-1.824	153	4.009	190	9.843	227	15.676
6	-19.167	43	-13.333	80	-7.500	117	-1.666	154	4.167	191	10.001	228	15.834
7	-19.009	44	-13.176	81	-7.342	118	-1.509	155	4.325	192	10.158	229	15.992
8	-18.852	45	-13 018	82	-7.185	119	-1.351	156	4.482	193	10.316	230	16.149
9	-18.694	46	-12.860	83	-7.027	120	-1.193	157	4.640	194	10.474	231	16.307
10	-18.536	47	-12.703	84	-6.869	121	-1.036	158	4.798	195	10.631	232	16.465
11	-18.379	48	-12.545	85	-6.712	122	-0.878	159	4.955	196	10.789	233	16.622
12	-18.221	49	-12.387	86	-6.554	123	-0.720	160	5.113	197	10.947	234	16.780
13	-18.063	50	-12 230	87	-6.396	124	-0.563	161	5.271	198	11.104	235	16.938
14	-17.906	51	-12.072	88	-6.239	125	-0.405	162	5.428	199	11.262	236	17.095
15	-17.748	52	-11.914	89	-6.081	126	-0.247	163	5.586	200	11.420	237	17.253
16	-17.590	53	-11.757	90	-5.923	127	-0.090	164	5.744	201	11.577	238	17.411
17	-17.433	54	-11.599	91	-5.766	128	0.068	165	5.901	202	11.735	239	17.568
18	-17.275	55	-11.441	92	-5.608	129	0.226	166	6.059	203	11.893	240	17.726
19	-17.117	56	-11.284	93	-5.450	130	0.383	167	6.217	204	12.050	241	17.884
20	-16.960	57	-11.126	94	-5.293	131	0.541	168	6.374	205	12.208	242	18.041
21	-16.802	58	-10.968	95	-5.135	132	0.699	169	6.532	206	12.366	243	18.199
22	-16.644	59	-10.811	96	-4.977	133	0.856	170	6.690	207	12.523	244	18.357
23	-16.487	60	-10.653	97	-4.820	134	1.014	171	6.847	208	12.681	245	18.514
24	-16.329	61	-10.496	98	-4.662	135	1.172	172	7.005	209	12.839	246	18.672
25	-16.171	62	-10.338	99	-4.504	136	1.329	173	7.163	210	12.996	247	18.830
26	-16.014	63	-10 180	100	-4.347	137	1.487	174	7.320	211	13.154	248	18.987
27	-15.856	64	-10.023	101	-4.189	138	1.644	175	7.478	212	13.312	249	19.145
28	-15.698	65	-9.865	102	-4.031	139	1.802	176	7.636	213	13.469	250	19.303
29	-15.541	66	-9.707	103	-3.874	140	1.960	177	7.793	214	13.627	251	19.460
30	-15.383	67	-9.550	104	-3.716	141	2.117	178	7.951	215	13.785	252	19.618
31	-15.225	68	-9.392	105	-3.558	142	2.275	179	8.109	216	13.942	253	19.776
32	-15.068	69	-9.234	106	-3.401	143	2.433	180	8.266	217	14.100	254	19.933
33	-14.910	70	-9 077	107	-3.243	144	2.590	181	8.424	218	14 258		
34	-14.752	71	-8.919	108	-3.085	145	2.748	182	8.582	219	14.415		
35	-14.595	72	-8.761	109	-2.928	146	2.906	183	8.739	220	14.573		
36	-14.437	73	-8.604	110	-2.770	147	3.063	184	8.897	221	14.730		
37	-14.279	74	-8.446	111	-2.612	148	3.221	185	9.055	222	14.888		



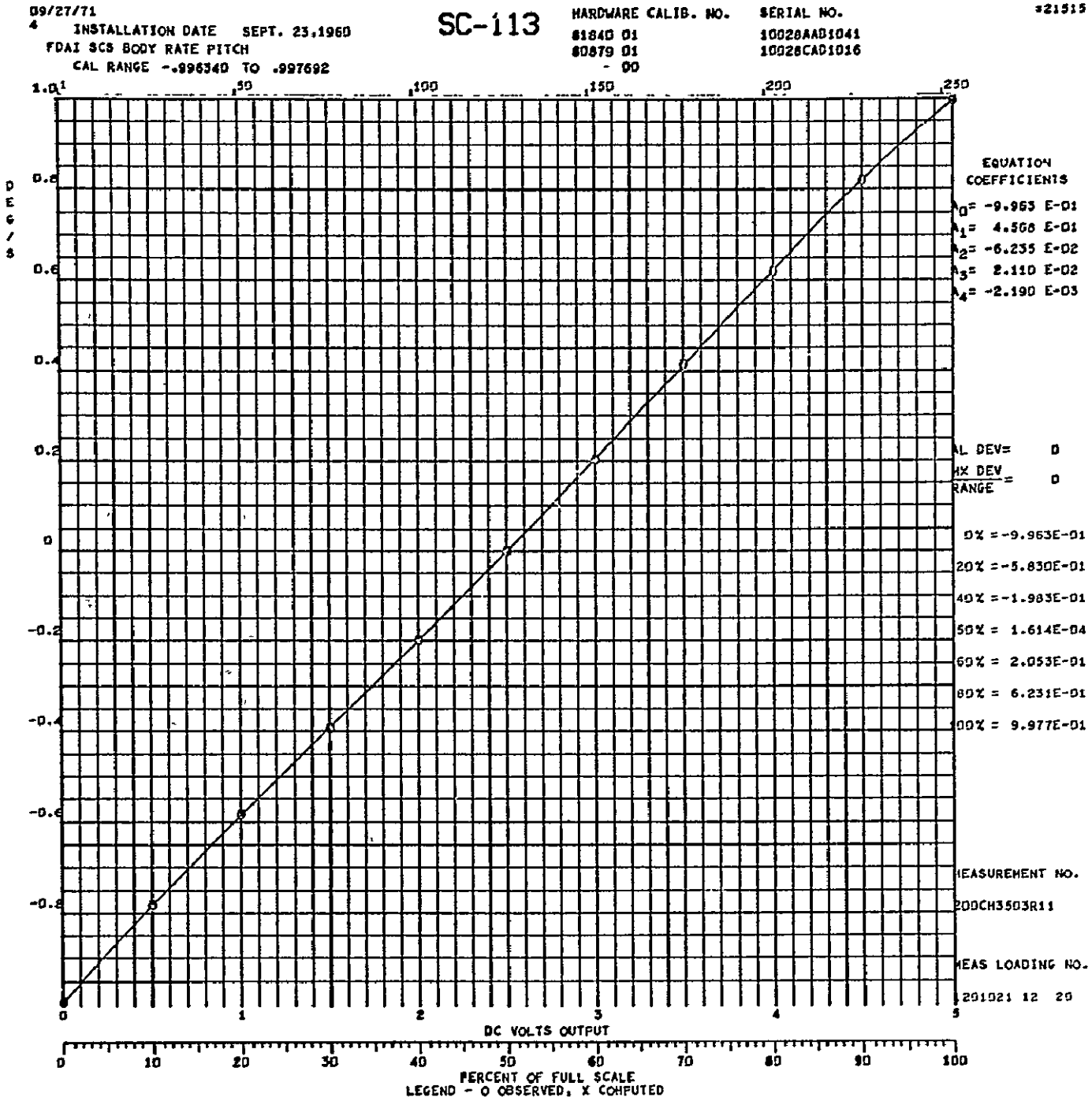
This is a multiple mode measurement. It is four of four options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR ROLL

MEASUREMENT NO. 200CM3502H41
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AA81041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-12.472	38	-8.826	75	-5.180	112	-1.534	149	2.112	186	5 758	223	9.404
2	-12.374	39	-8.728	76	-5.082	113	-1.436	150	2.210	187	5.856	224	9.502
3	-12.275	40	-8.629	77	-4.983	114	-1.337	151	2.309	188	5 955	225	9.601
4	-12.176	41	-8.530	78	-4.885	115	-1.239	152	2.407	189	6.053	226	9.699
5	-12 078	42	-8 432	79	-4.786	116	-1.140	153	2.506	190	6.152	227	9.798
6	-11.979	43	-8.333	80	-4.687	117	-1.042	154	2 604	191	6.250	228	9.896
7	-11.881	44	-8.235	81	-4.589	118	-0.943	155	2.703	192	6.349	229	9.995
8	-11.782	45	-8.136	82	-4.490	119	-0.844	156	2.802	193	6.447	230	10.093
9	-11.684	46	-8.038	83	-4 392	120	-0.746	157	2.900	194	6.546	231	10.192
10	-11.585	47	-7.939	84	-4.293	121	-0.647	158	2.999	195	6 645	232	10.290
11	-11.487	48	-7.841	85	-4.195	122	-0.549	159	3.097	196	6.743	233	10.389
12	-11.388	49	-7.742	86	-4.096	123	-0.450	160	3.196	197	6.842	234	10.488
13	-11.290	50	-7.644	87	-3.998	124	-0.352	161	3.294	198	6.940	235	10.586
14	-11.191	51	-7.545	88	-3.899	125	-0.253	162	3.393	199	7.039	236	10.685
15	-11.092	52	-7.447	89	-3 801	126	-0.155	163	3.491	200	7.137	237	10.783
16	-10.994	53	-7.348	90	-3.702	127	-0.056	164	3.590	201	7.236	238	10.882
17	-10.895	54	-7.249	91	-3.604	128	0.042	165	3.688	202	7.334	239	10.980
18	-10.797	55	-7.151	92	-3.505	129	0.141	166	3.787	203	7 433	240	11.079
19	-10 698	56	-7.052	93	-3.406	130	0.239	167	3.885	204	7.531	241	11.177
20	-10.600	57	-6.954	94	-3.308	131	0.338	168	3.984	205	7.630	242	11.276
21	-10.501	58	-6.855	95	-3.209	132	0.437	169	4.083	206	7.728	243	11.374
22	-10.403	59	-6.757	96	-3.111	133	0.535	170	4.181	207	7.827	244	11.473
23	-10.304	60	-6.658	97	-3.012	134	0.634	171	4.280	208	7 926	245	11.571
24	-10.206	61	-6.560	98	-2.914	135	0.732	172	4.378	209	8.024	246	11.670
25	-10 107	62	-6.461	99	-2.815	136	0.831	173	4.477	210	8.123	247	11.769
26	-10.009	63	-6.363	100	-2.717	137	0.929	174	4.575	211	8.221	248	11.867
27	-9.910	64	-6.264	101	-2.618	138	1.028	175	4.674	212	8,320	249	11.966
28	-9.811	65	-6 166	102	-2.520	139	1.126	176	4.772	213	8.418	250	12.064
29	-9.713	66	-6 067	103	-2.421	140	1.225	177	4.871	214	8.517	251	12.163
30	-9.614	67	-5.968	104	-2.323	141	1.323	178	4.969	215	8.615	252	12.261
31	-9.516	68	-5 870	105	-2 224	142	1.422	179	5.068	216	8.714	253	12.360
32	-9.417	69	-5.771	106	-2.125	143	1.521	180	5.166	217	8.812	254	12.458
33	-9.319	70	-5.673	107	-2.027	144	1.619	181	5.265	218	8 911		
34	-9.220	71	-5.574	108	-1 928	145	1.718	182	5 364	219	9 009		
35	-9.122	72	-5.476	109	-1.830	146	1.816	183	5 462	220	9.108		
36	-9 023	73	-5.377	110	-1.731	147	1.915	184	5.561	221	9 207		
37	-8.925	74	-5.279	111	-1.633	148	2.013	185	5.659	222	9.305		



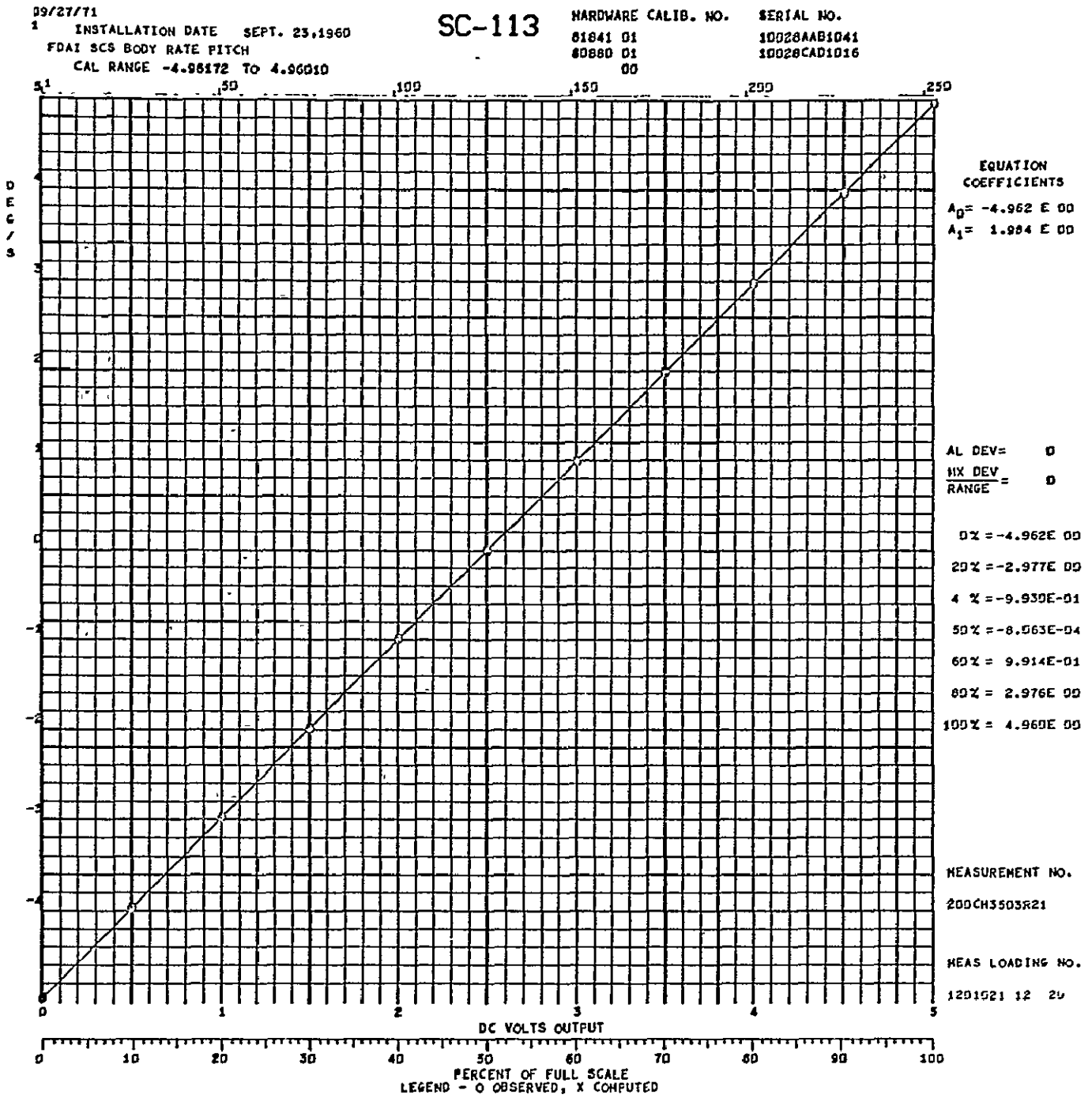
This is a multiple mode measurement. It is one of six options.
See FDIA Event Correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH35D3R11
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-0.996	38	-0.688	75	-0.406	112	-0.122	149	0.174	186	0.480	223	0.778
2	-0.987	39	-0.680	76	-0.398	113	-0.114	150	0.182	187	0.489	224	0.786
3	-0 978	40	-0.672	77	-0.391	114	-0.107	151	0.190	188	0 497	225	0.793
4	-0.969	41	-0.665	78	-0.383	115	-0.099	152	0.199	189	0.505	226	0.801
5	-0.961	42	-0.657	79	-0.375	116	-0.091	153	0.207	190	0.513	227	0.809
6	-0.952	43	-0.649	80	-0.368	117	-0.083	154	0.215	191	0.522	228	0.816
7	-0.943	44	-0.641	81	-0.360	118	-0.075	155	0.223	192	0;530	229	0.824
8	-0.934	45	-0.634	82	-0.353	119	-0 067	156	0.232	193	0.538	230	0.831
9	-0.926	46	-0.626	83	-0.345	120	-0.059	157	0.240	194	0 546	231	0.839
10	-0.917	47	-0.618	84	-0.337	121	-0.051	158	0.248	195	0.555	232	0.846
11	-0.908	48	-0.611	85	-0.330	122	-0 044	159	0.256	196	0.563	233	0.853
12	-0.900	49	-0.603	86	-0.322	123	-0.036	160	0.265	197	0 571	234	0.861
13	-0.891	50	-0.595	87	-0 315	124	-0.028	161	0 273	198	0.579	235	0 868
14	-0.883	51	-0.588	88	-0.307	125	-0.020	162	0 281	199	0 587	236	0 875
15	-0.874	52	-0.580	89	-0.299	126	-0.012	163	0.289	200	0 595	237	0.882
16	-0.866	53	-0.572	90	-0 292	127	-0.004	164	0.298	201	0.604	238	0.890
17	-0.857	54	-0.565	91	-0.284	128	0.004	165	0.306	202	0 612	239	0.897
18	-0.849	55	-0.557	92	-0.277	129	0.012	166	0 314	203	0.620	240	0.904
19	-0 841	56	-0 549	93	-0.269	130	0.020	167	0.323	204	0.628	241	0.911
20	-0 833	57	-0 542	94	-0.261	131	0.028	168	0.331	205	0 636	242	0.918
21	-0.824	58	-0.534	95	-0.254	132	0 036	169	0,339	206	0.644	243	0.925
22	-0.816	59	-0.527	96	-0 246	133	0.044	170	0.347	207	0.652	244	0.932
23	-0.808	60	-0.519	97	-0.238	134	0 052	171	0.356	208	0 660	245	0.938
24	-0.800	61	-0.511	98	-0 231	135	0.060	172	0.364	209	0.668	246	0.945
25	-0.792	62	-0.504	99	-0 223	136	0.068	173	0.372	210	0 676	247	0 952
26	-0.783	63	-0.496	100	-0.215	137	0.076	174	0.381	211	0 684	248	0.959
27	-0.775	64	-0.489	101	-0 208	138	0.085	175	0.389	212	0.692	249	0.965
28	-0.767	65	-0.481	102	-0 200	139	0.093	176	0 397	213	0.700	250	0.972
29	-0.759	66	-0 474	103	-0.192	140	0.101	177	0 406	214	0.708	251	0.978
30	-0.751	67	-0.466	104	-0.184	141	0.109	178	0.414	215	0.716	252	0.985
31	-0.743	68	-0 459	105	-0.177	142	0.117	179	0.422	216	0.724	253	0.991
32	-0.735	69	-0.451	106	-0.169	143	0.125	180	0.431	217	0.732	254	0.998
33	-0.727	70	-0.443	107	-0.161	144	0.133	181	0.439	218	0.739		
34	-0.719	71	-0 436	108	-0.153	145	0.141	182	0.447	219	0.747		
35	-0 712	72	-0.428	109	-0.146	146	0.150	183	0.455	220	0 755		
36	-0.704	73	-0.421	110	-0.138	147	0.158	184	0.464	221	0.763		
37	-0 696	74	-0.413	111	-0.130	148	0.166	185	0.472	222	0.770		



This is a multiple mode measurement. It is two of six options.
See FDIA Event Correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 2000H3503R21
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO 10028CAD1016
AUXILIARY COMPONENT SERIAL NO
CALIBRATION-DATE 09/23/60

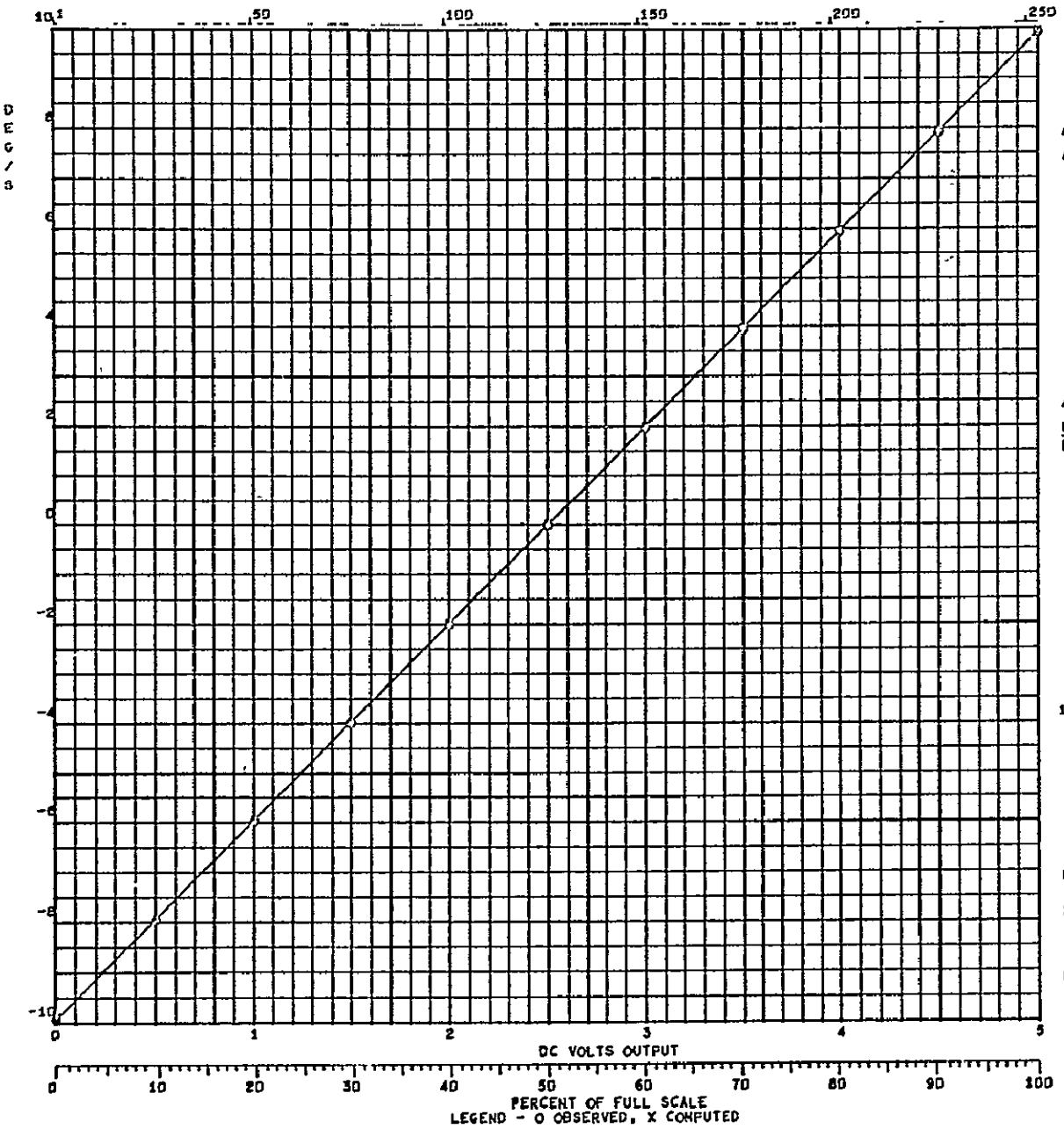
CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-4.962	38	-3.511	75	-2.060	112	-0.609	149	0.842	186	2.293	223	3.744
2	-4.923	39	-3.471	76	-2.020	113	-0.569	150	0.882	187	2.333	224	3.784
3	-4.883	40	-3.432	77	-1.981	114	-0.530	151	0.921	188	2.372	225	3.823
4	-4.844	41	-3.393	78	-1.942	115	-0.491	152	0.960	189	2.411	226	3.862
5	-4.805	42	-3.354	79	-1.903	116	-0.452	153	0.999	190	2.450	227	3.901
6	-4.766	43	-3.315	80	-1.864	117	-0.413	154	1.038	191	2.489	228	3.940
7	-4.726	44	-3 275	81	-1.824	118	-0.373	155	1.078	192	2.529	229	3.980
8	-4.687	45	-3 236	82	-1.785	119	-0.334	156	1.117	193	2.568	230	4.019
9	-4.648	46	-3.197	83	-1.746	120	-0.295	157	1.156	194	2.607	231	4.058
10	-4.609	47	-3.158	84	-1.707	121	-0.256	158	1.195	195	2.646	232	4.097
11	-4.570	48	-3.119	85	-1.668	122	-0.216	159	1.235	196	2.686	233	4.137
12	-4.530	49	-3.079	86	-1.628	123	-0.177	160	1.274	197	2.725	234	4.176
13	-4.491	50	-3.040	87	-1.589	124	-0.138	161	1.313	198	2.764	235	4.215
14	-4.452	51	-3.001	88	-1.550	125	-0.099	162	1.352	199	2.803	236	4.254
15	-4.413	52	-2.962	89	-1.511	126	-0.060	163	1.391	200	2.842	237	4.293
16	-4.373	53	-2.922	90	-1.471	127	-0.020	164	1.431	201	2.882	238	4.333
17	-4.334	54	-2 883	91	-1.432	128	0.019	165	1.470	202	2 921	239	4.372
18	-4.295	55	-2.844	92	-1.393	129	0.058	166	1.509	203	2.960	240	4.411
19	-4.256	56	-2.805	93	-1.354	130	0.097	167	1.548	204	2.999	241	4.450
20	-4.217	57	-2.766	94	-1.315	131	0.136	168	1.587	205	3.038	242	4.490
21	-4.177	58	-2.726	95	-1.275	132	0.176	169	1.627	206	3.078	243	4.529
22	-4.138	59	-2.687	96	-1.236	133	0.215	170	1.666	207	3.117	244	4.568
23	-4.099	60	-2 648	97	-1.197	134	0.254	171	1.705	208	3.156	245	4.607
24	-4.060	61	-2.609	98	-1.158	135	0.293	172	1.744	209	3.195	246	4.646
25	-4.021	62	-2.569	99	-1.118	136	0.333	173	1.784	210	3.235	247	4.686
26	-3.981	63	-2.530	100	-1.079	137	0.372	174	1.823	211	3.274	248	4.725
27	-3.942	64	-2.491	101	-1.040	138	0.411	175	1.862	212	3.313	249	4.764
28	-3.903	65	-2.452	102	-1.001	139	0.450	176	1.901	213	3.352	250	4,803
29	-3.864	66	-2.413	103	-0.962	140	0.489	177	1.940	214	3.391	251	4.842
30	-3.824	67	-2 373	104	-0.922	141	0.529	178	1.980	215	3.431	252	4.882
31	-3.785	68	-2.334	105	-0.883	142	0.568	179	2.019	216	3.470	253	4.921
32	-3.746	69	-2.295	106	-0.844	143	0.607	180	2.058	217	3.509	254	4.960
33	-3.707	70	-2.256	107	-0.805	144	0 646	181	2 097	218	3.548		
34	-3.668	71	-2.217	108	-0.766	145	0 685	182	2.137	219	3.588		
35	-3.628	72	-2.177	109	-0.726	146	0.725	183	2.176	220	3.627		
36	-3.589	73	-2.138	110	-0.687	147	0.764	184	2.215	221	3.666		
37	-3.550	74	-2.099	111	-0.648	148	0.803	185	2.254	222	3,705		

09/27/71
1 INSTALLATION DATE SEPT. 23,1960
FDAI SCS BODY RATE PITCH
CAL RANGE -9.93334 TO 9.91732

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81842 01	10028AAB1041
80881 01	10028CAD1016
00	

=21515



EQUATION COEFFICIENTS

A_0= -9.933 E 00

A_1= 3.970 E 00

AL DEV= 0

$\frac{\text{HX DEV}}{\text{RANGE}}$ = 0

0% = -9.933E 00

20% = -5.963E 00

40% = -1.993E 00

50% = -8.007E-03

60% = 1.977E 00

80% = 5.947E 00

100% = 9.917E 00

MEASUREMENT NO.

200CH3503R31

MEAS LOADING NO.

1201021 12 20

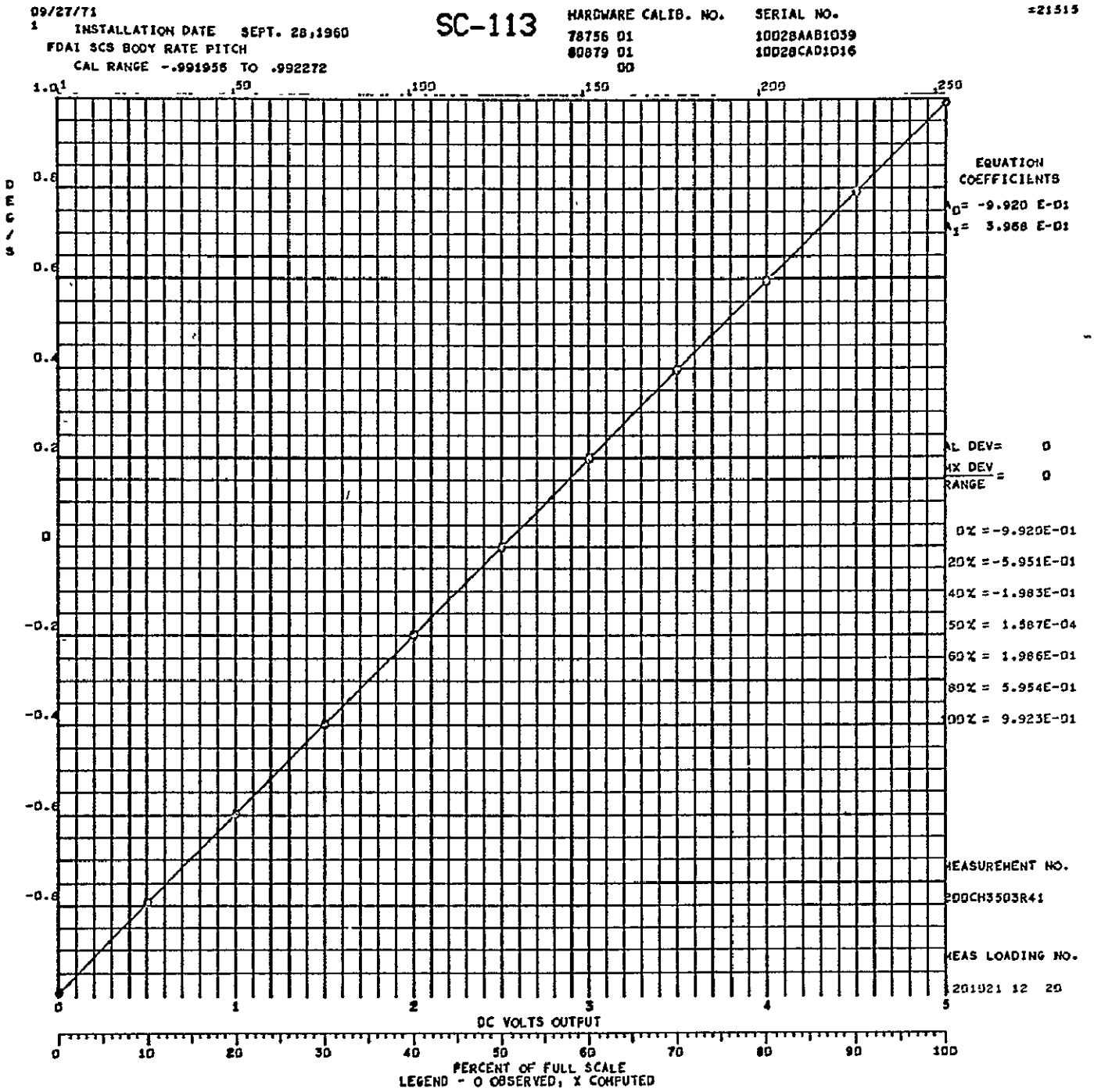
This is a multiple mode measurement. It is three of six options.
See FDIA Event Correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 205CH3503R31
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-9.933	38	-7.030	75	-4.127	112	-1.224	149	1.679	186	4.582	223	7.485
2	-9.855	39	-6.952	76	-4.049	113	-1.146	150	1.757	187	4.660	224	7.563
3	-9.776	40	-6.873	77	-3.970	114	-1.067	151	1.836	188	4.739	225	7.642
4	-9.698	41	-6.795	78	-3.892	115	-0.989	152	1.914	189	4.817	226	7.720
5	-9.619	42	-6.716	79	-3.813	116	-0.910	153	1.993	190	4.896	227	7.799
6	-9.541	43	-6.638	80	-3.735	117	-0 832	154	2.071	191	4.974	228	7.877
7	-9.463	44	-6 560	81	-3.656	118	-0.753	155	2.150	192	5.053	229	7.956
8	-9.384	45	-6.481	82	-3.578	119	-0.675	156	2.228	193	5.131	230	8.034
9	-9.306	46	-6 403	83	-3.500	120	-0.596	157	2.307	194	5.210	231	8.113
10	-9.227	47	-6.324	84	-3.421	121	-0.518	158	2.385	195	5.288	232	8.191
11	-9.149	48	-6 246	85	-3.343	122	-0.440	159	2.464	196	5.367	233	8.270
12	-9.070	49	-6.167	86	-3.264	123	-0.361	160	2.542	197	5.445	234	8.348
13	-8.992	50	-6 089	87	-3.186	124	-0 283	161	2.620	198	5.524	235	8.427
14	-8.913	51	-6.010	88	-3.107	125	-0.204	162	2.699	199	5.602	236	8.505
15	-8.835	52	-5.932	89	-3.029	126	-0.126	163	2.777	200	5.680	237	8.583
16	-8.756	53	-5.853	90	-2.950	127	-0.047	164	2.856	201	5.759	238	8.662
17	-8.678	54	-5.775	91	-2.872	128	0.031	165	2.934	202	5.837	239	8.740
18	-8.600	55	-5.696	92	-2.793	129	0.110	166	3.013	203	5.916	240	8.819
19	-8.521	56	-5.618	93	-2.715	130	0.188	167	3.091	204	5.994	241	8.897
20	-8.443	57	-5.540	94	-2.636	131	0.267	168	3.170	205	6 073	242	8.976
21	-8.364	58	-5.461	95	-2.558	132	0.345	169	3 248	206	6.151	243	9.054
22	-8.286	59	-5.383	96	-2.480	133	0.424	170	3.327	207	6.230	244	9.133
23	-8.207	60	-5.304	97	-2.401	134	0.502	171	3.405	208	6 308	245	9.211
24	-8.129	61	-5 226	98	-2.323	135	0.580	172	3.484	209	6.387	246	9.290
25	-8.050	62	-5.147	99	-2.244	136	0.659	173	3.562	210	6.465	247	9.368
26	-7.972	63	-5.069	100	-2.166	137	0.737	174	3.640	211	6.543	248	9.447
27	-7.893	64	-4.990	101	-2.087	138	0.816	175	3.719	212	6.622	249	9.525
28	-7.815	65	-4.912	102	-2.009	139	0.894	176	3.797	213	6.700	250	9.603
29	-7.736	66	-4 833	103	-1.930	140	0.973	177	3.876	214	6.779	251	9.682
30	-7.658	67	-4.755	104	-1.852	141	1.051	178	3.954	215	6.857	252	9.760
31	-7.580	68	-4 676	105	-1.773	142	1.130	179	4.033	216	6.936	253	9.839
32	-7.501	69	-4.598	106	-1.695	143	1.208	180	4.111	217	7.014	254	9.917
33	-7.423	70	-4.520	107	-1.616	144	1.287	181	4.190	218	7.093		
34	-7.344	71	-4.441	108	-1.538	145	1.365	182	4.268	219	7.171		
35	-7.266	72	-4.363	109	-1.460	146	1.444	183	4.347	220	7.250		
36	-7.187	73	-4.284	110	-1.381	147	1.522	184	4.425	221	7.328		
37	-7.109	74	-4.206	111	-1.303	148	1.600	185	4.504	222	7.407		



This is a multiple mode measurement. It is four of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH3503R41
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-0.992	38	-0.702	75	-0.412	112	-0.121	149	0.169	186	0.459	223	0.749
2	-0.984	39	-0.694	76	-0.404	113	-0.114	150	0.177	187	0.467	224	0.757
3	-0.976	40	-0.686	77	-0.396	114	-0.106	151	0.184	188	0.475	225	0.765
4	-0.968	41	-0.678	78	-0.388	115	-0.098	152	0.192	189	0.482	226	0.773
5	-0.961	42	-0.670	79	-0.380	116	-0.090	153	0.200	190	0.490	227	0.781
6	-0.953	43	-0.663	80	-0.372	117	-0.082	154	0.208	191	0.498	228	0.788
7	-0.945	44	-0 655	81	-0.365	118	-0.074	155	0.216	192	0.506	229	0.796
8	-0.937	45	-0.647	82	-0.357	119	-0.067	156	0 224	193	0.514	230	0.804
9	-0.929	46	-0.639	83	-0.349	120	-0.059	157	0.232	194	0.522	231	0.812
10	-0.921	47	-0.631	84	-0.341	121	-0.051	158	0.239	195	0.530	232	0.820
11	-0.914	48	-0.623	85	-0.333	122	-0.043	159	0.247	196	0.537	233	0.828
12	-0.906	49	-0.616	86	-0.325	123	-0.035	160	0.255	197	0.545	234	0.835
13	-0.898	50	-0.608	87	-0.317	124	-0.027	161	0.263	198	0.553	235	0.843
14	-0.890	51	-0.600	88	-0.310	125	-0.019	162	0.271	199	0.561	236	0.851
15	-0.882	52	-0.592	89	-0.302	126	-0.012	163	0 279	200	0.569	237	0.859
16	-0.874	53	-0.584	90	-0 294	127	-0.004	164	0.286	201	0.577	238	0.867
17	-0.866	54	-0.576	91	-0.286	128	0.004	165	0.294	202	0.584	239	0.875
18	-0.859	55	-0.568	92	-0.278	129	0.012	166	0.302	203	0.592	240	0 882
19	-0.851	56	-0.561	93	-0.270	130	0.020	167	0.310	204	0.600	241	0.890
20	-0.843	57	-0.553	94	-0.263	131	0.028	168	0.318	205	0.608	242	0.898
21	-0.835	58	-0.545	95	-0.255	132	0.035	169	0.326	206	0 616	243	0.906
22	-0.827	59	-0.537	96	-0.247	133	0.043	170	0.333	207	0.624	244	0.914
23	-0 819	60	-0.529	97	-0.239	134	0.051	171	0.341	208	0 632	245	0.922
24	-0.812	61	-0.521	98	-0.231	135	0.059	172	0.349	209	0.639	246	0.930
25	-0.804	62	-0.514	99	-0.223	136	0.067	173	0.357	210	0.647	247	0.937
26	-0.796	63	-0.506	100	-0.216	137	0.075	174	0.365	211	0.655	248	0.945
27	-0.788	64	-0.498	101	-0 208	138	0.083	175	0.373	212	0.663	249	0.953
28	-0.780	65	-0.490	102	-0.200	139	0.090	176	0 381	213	0.671	250	0.961
29	-0.772	66	-0 482	103	-0.192	140	0.098	177	0.388	214	0.679	251	0.969
30	-0.765	67	-0.474	104	-0.184	141	0.106	178	0.396	215	0 686	252	0.977
31	-0.757	68	-0.466	105	-0.176	142	0.114	179	0.404	216	0.694	253	0.984
32	-0.749	69	-0.459	106	-0.168	143	0.122	180	0.412	217	0.702	254	0.992
33	-0.741	70	-0.451	107	-0.161	144	0.130	181	0.420	218	0.710		
34	-0.733	71	-0 443	108	-0.153	145	0.137	182	0.428	219	0.718		
35	-0.725	72	-0.435	109	-0.145	146	0.145	183	0.435	220	0.726		
36	-0.717	73	-0.427	110	-0.137	147	0.153	184	0.443	221	0.733		
37	-0.710	74	-0.419	111	-0.129	148	0.161	185	0.451	222	0.741		

09/27/71

1 INSTALLATION DATE SEPT. 28,1960

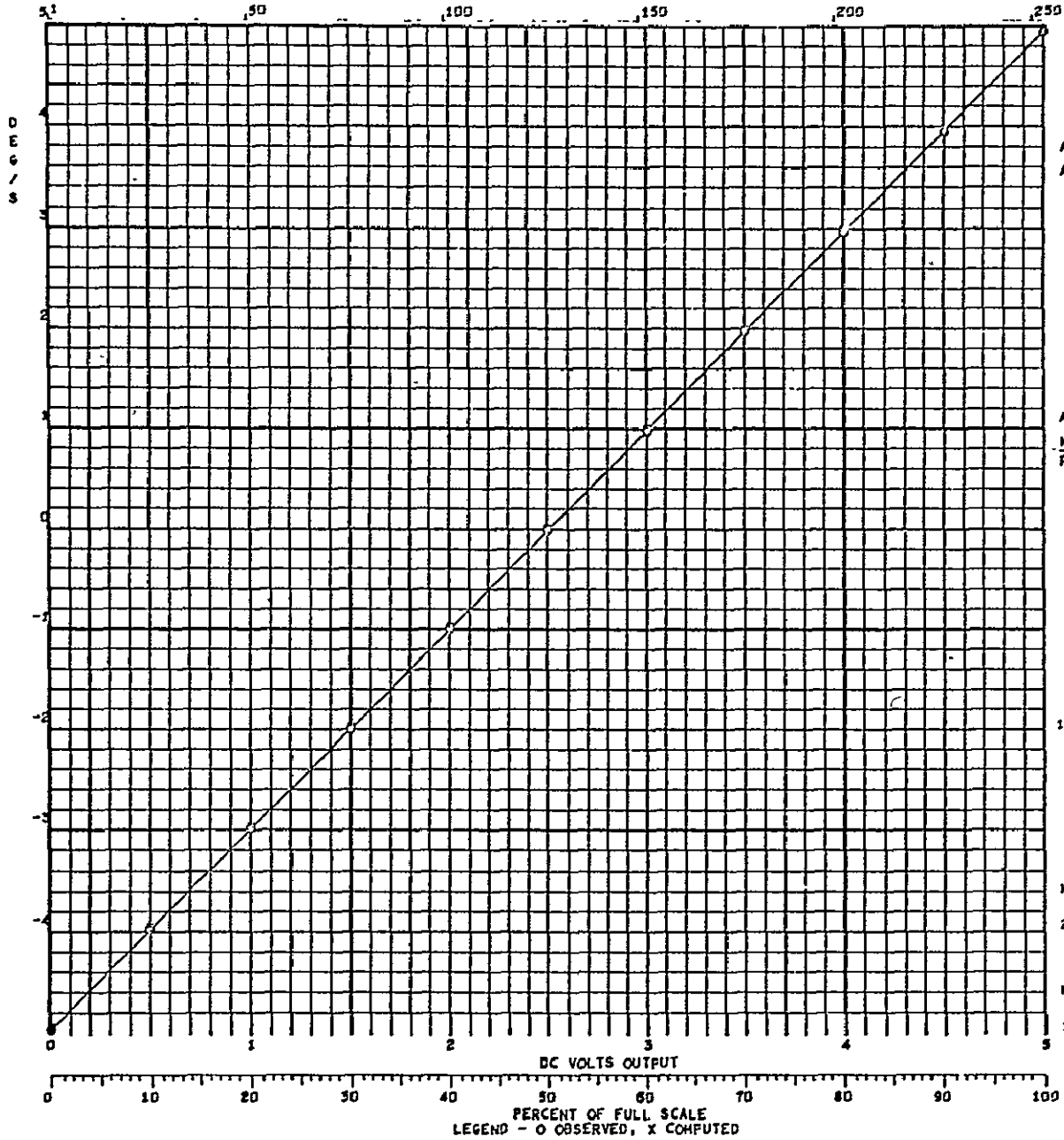
FDAI SCS BODY RATE PITCH

V CAL RANGE -4.95016 TO 4.95215

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78757 01	10028AAB1039
80880 01	10028CAD1016
00	

#21515



EQUATION COEFFICIENTS

A_0= -4.960 E 00

A_1= 1.982 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% = -4.960E 00

20% = -2.976E 00

40% = -9.952E-01

50% = -4.003E-03

60% = 9.872E-01

80% = 2 970E 00

100% = 4.952E 00

MEASUREMENT NO.

200CH35D3R51

MEAS LOADING NO.

1291921 12 29

This is a multiple mode measurement. It is five of six options.

See FDIA Event Correlation on page 4-5

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH3503R51
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10029CAC1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-4.960	38	-3.511	75	-2.061	112	-0.611	149	0.838	186	2.288	223	3.738
2	-4.921	39	-3.471	76	-2.022	113	-0.572	150	0.878	187	2.327	224	3.777
3	-4.882	40	-3.432	77	-1.983	114	-0.533	151	0.917	188	2.366	225	3.816
4	-4.843	41	-3.393	78	-1.943	115	-0.494	152	0.956	189	2.406	226	3.855
5	-4.803	42	-3.354	79	-1.904	116	-0.455	153	0.995	190	2.445	227	3.894
6	-4.764	43	-3.315	80	-1.865	117	-0.415	154	1.034	191	2.484	228	3.933
7	-4.725	44	-3.275	81	-1.826	118	-0.376	155	1.075	192	2.523	229	3.973
8	-4.686	45	-3.236	82	-1.787	119	-0.337	156	1.113	193	2.562	230	4.012
9	-4.647	46	-3.197	83	-1.747	120	-0.298	157	1.152	194	2.601	231	4.051
10	-4.608	47	-3.158	84	-1.708	121	-0.259	158	1.191	195	2.641	232	4.090
11	-4.568	48	-3.119	85	-1.669	122	-0.219	159	1.230	196	2.680	233	4.129
12	-4.529	49	-3.080	86	-1.630	123	-0.180	160	1.269	197	2.719	234	4.169
13	-4.490	50	-3.040	87	-1.591	124	-0.141	161	1.308	198	2.758	235	4.208
14	-4.451	51	-3.001	88	-1.552	125	-0.102	162	1.348	199	2.797	236	4.247
15	-4.412	52	-2.962	89	-1.512	126	-0.063	163	1.387	200	2.836	237	4.286
16	-4.372	53	-2.923	90	-1.473	127	-0.024	164	1.426	201	2.876	238	4.325
17	-4.333	54	-2.884	91	-1.434	128	0.016	165	1.465	202	2.915	239	4.364
18	-4.294	55	-2.844	92	-1.395	129	0.055	166	1.504	203	2.954	240	4.404
19	-4.255	56	-2.805	93	-1.356	130	0.094	167	1.544	204	2.993	241	4.443
20	-4.216	57	-2.766	94	-1.317	131	0.133	168	1.583	205	3.032	242	4.482
21	-4.177	58	-2.727	95	-1.277	132	0.172	169	1.622	206	3.072	243	4.521
22	-4.137	59	-2.688	96	-1.238	133	0.211	170	1.661	207	3.111	244	4.560
23	-4.098	60	-2.649	97	-1.199	134	0.251	171	1.700	208	3.150	245	4.600
24	-4.059	61	-2.609	98	-1.160	135	0.290	172	1.739	209	3.189	246	4.639
25	-4.020	62	-2.570	99	-1.121	136	0.329	173	1.779	210	3.228	247	4.678
26	-3.981	63	-2.531	100	-1.081	137	0.368	174	1.818	211	3.267	248	4.717
27	-3.942	64	-2.492	101	-1.042	138	0.407	175	1.857	212	3.307	249	4.756
28	-3.902	65	-2.453	102	-1.003	139	0.447	176	1.896	213	3.346	250	4.795
29	-3.863	66	-2.414	103	-0.964	140	0.486	177	1.935	214	3.385	251	4.835
30	-3.824	67	-2.374	104	-0.925	141	0.525	178	1.975	215	3.424	252	4.874
31	-3.785	68	-2.335	105	-0.886	142	0.564	179	2.014	216	3.463	253	4.913
32	-3.746	69	-2.296	106	-0.846	143	0.603	180	2.053	217	3.503	254	4.952
33	-3.706	70	-2.257	107	-0.807	144	0.642	181	2.092	218	3.542		
34	-3.667	71	-2.218	108	-0.768	145	0.682	182	2.131	219	3.581		
35	-3.628	72	-2.178	109	-0.729	146	0.721	183	2.170	220	3.620		
36	-3.589	73	-2.139	110	-0.690	147	0.760	184	2.210	221	3.659		
37	-3.550	74	-2.100	111	-0.650	148	0.799	185	2 249	222	3.698		

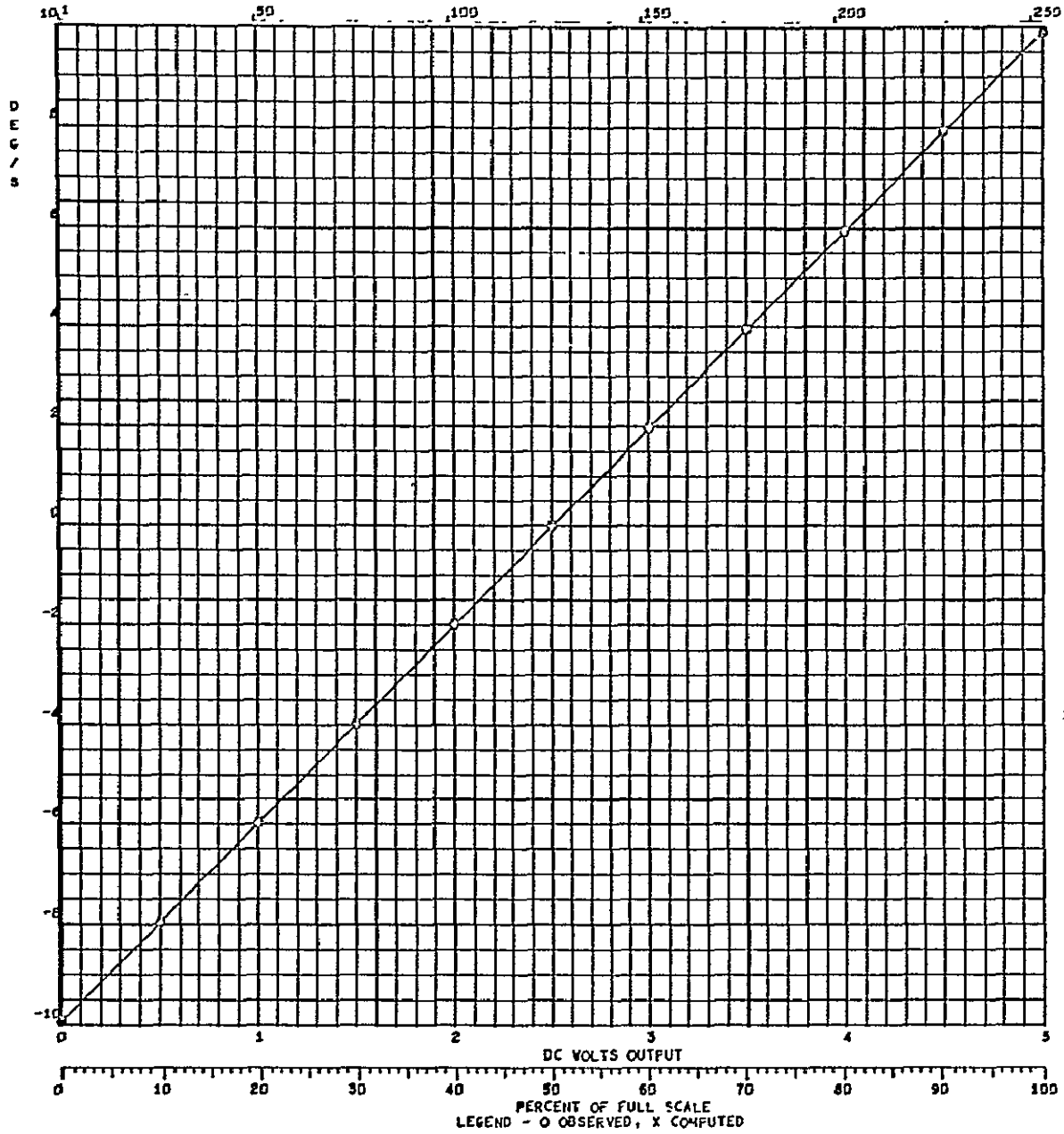
09/27/71
1 INSTALLATION DATE SEPT. 28,1960
FDAI SCS BODY RATE PITCH
CAL RANGE -9.92067 TO 9.90148

SC-113

HARDWARE CALIB. NO. 78758 01 80861 01 00

SERIAL NO. 10028AAB1039 10028CAD1016

#21515



EQUATION COEFFICIENTS

A_0= -9.921 E 00

A_1= 3.964 E 00

AL DEV= 0

MX DEV / RANGE = 0

5% = -9.921E 00

25% = -5.956E 00

40% = -1.992E 00

50% = -9.593E-03

60% = 1.973E 00

80% = 5.937E 00

100% = 9.901E 00

MEASUREMENT NO.

200CH3503R61

MEAS LOADING NO.

1231021 12 20

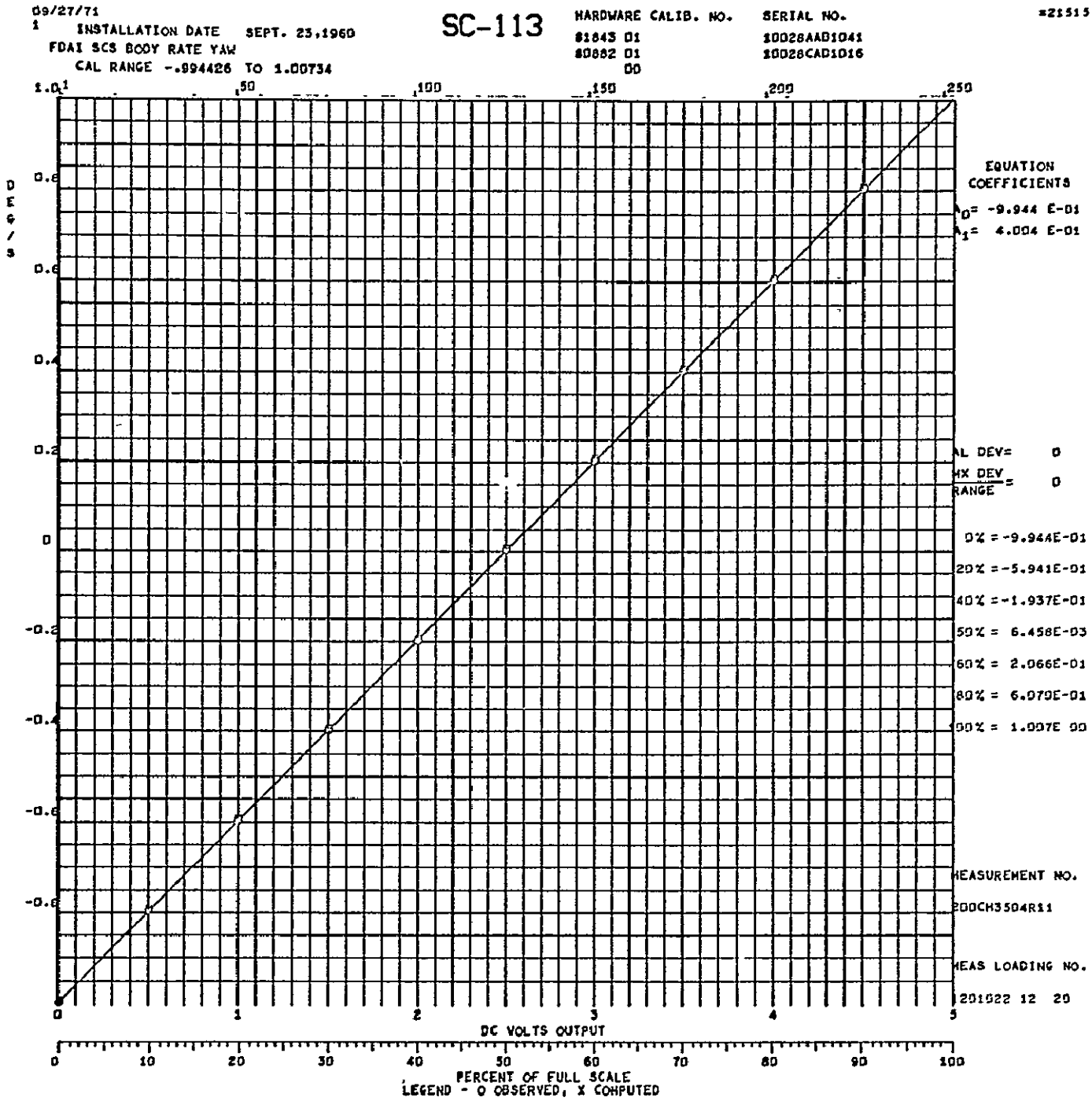
This is a multiple mode measurement. It is six of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 2000H3503R61
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO 10028CA01016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-9.921	38	-7.022	75	-4.123	112	-1.224	149	1.675	186	4.574	223	7.473
2	-9.842	39	-6.943	76	-4.045	113	-1.146	150	1.753	187	4.652	224	7.551
3	-9.764	40	-6 865	77	-3.966	114	-1.067	151	1.832	188	4.730	225	7.629
4	-9.686	41	-6.787	78	-3.888	115	-0.989	152	1.910	189	4.809	226	7.708
5	-9.607	42	-6.708	79	-3 809	116	-0.911	153	1.988	190	4.887	227	7.786
6	-9 529	43	-6.630	80	-3.731	117	-0.832	154	2.067	191	4.966	228	7.864
7	-9.451	44	-6.552	81	-3.653	118	-0.754	155	2.145	192	5.044	229	7 943
8	-9.372	45	-6.473	82	-3.574	119	-0.676	156	2.223	193	5.122	230	8 021
9	-9.294	46	-6.395	83	-3.496	120	-0.597	157	2.302	194	5.201	231	8.099
10	-9.216	47	-6.317	84	-3.418	121	-0.519	158	2.380	195	5.279	232	8.178
11	-9.137	48	-6.238	85	-3.339	122	-0.441	159	2.458	196	5.357	233	8.256
12	-9.059	49	-6 160	86	-3.261	123	-0.362	160	2.537	197	5.436	234	8.335
13	-8.980	50	-6.082	87	-3.183	124	-0.284	161	2.615	198	5.514	235	8.413
14	-8.902	51	-6.003	88	-3.104	125	-0.205	162	2.693	199	5.592	236	8.491
15	-8.824	52	-5.925	89	-3.026	126	-0.127	163	2.772	200	5.671	237	8.570
16	-8.745	53	-5.847	90	-2.948	127	-0.049	164	2.850	201	5.749	238	8.648
17	-8.667	54	-5.768	91	-2.869	128	0.030	165	2.928	202	5.827	239	8.726
18	-8.589	55	-5.690	92	-2.791	129	0.108	166	3.007	203	5.906	240	8.805
19	-8.510	56	-5.612	93	-2.713	130	0.186	167	3.085	204	5.984	241	8.883
20	-8.432	57	-5.533	94	-2.634	131	0.265	168	3.164	205	6.062	242	8.961
21	-8.354	58	-5.455	95	-2.556	132	0.343	169	3.242	206	6.141	243	9.040
22	-8.275	59	-5.376	96	-2.478	133	0.421	170	3.320	207	6.219	244	9.118
23	-8.197	60	-5.298	97	-2.399	134	0.500	171	3.399	208	6.297	245	9.196
24	-8.119	61	-5.220	98	-2.321	135	0.578	172	3.477	209	6.376	246	9.275
25	-8.040	62	-5.141	99	-2.243	136	0.656	173	3.555	210	6.454	247	9.353
26	-7.962	63	-5.063	100	-2.164	137	0.735	174	3.634	211	6.532	248	9.431
27	-7.884	64	-4.985	101	-2.086	138	0.813	175	3.712	212	6.611	249	9.510
28	-7.805	65	-4.906	102	-2.007	139	0.891	176	3.790	213	6.689	250	9.588
29	-7.727	66	-4 828	103	-1.929	140	0.970	177	3.869	214	6.768	251	9.666
30	-7.649	67	-4.750	104	-1.851	141	1.048	178	3.947	215	6.846	252	9.745
31	-7.570	68	-4.671	105	-1.772	142	1.126	179	4.025	216	6.924	253	9.823
32	-7.492	69	-4.593	106	-1.694	143	1.205	180	4.104	217	7.003	254	9.901
33	-7.414	70	-4.515	107	-1.616	144	1.283	181	4.182	218	7.081		
34	-7.335	71	-4.436	108	-1.537	145	1.362	182	4.260	219	7.159		
35	-7.257	72	-4.358	109	-1.459	146	1.440	183	4.339	220	7.238		
36	-7.178	73	-4.280	110	-1.381	147	1.518	184	4.417	221	7.316		
37	-7.100	74	-4.201	111	-1.302	148	1.597	185	4.495	222	7.394		



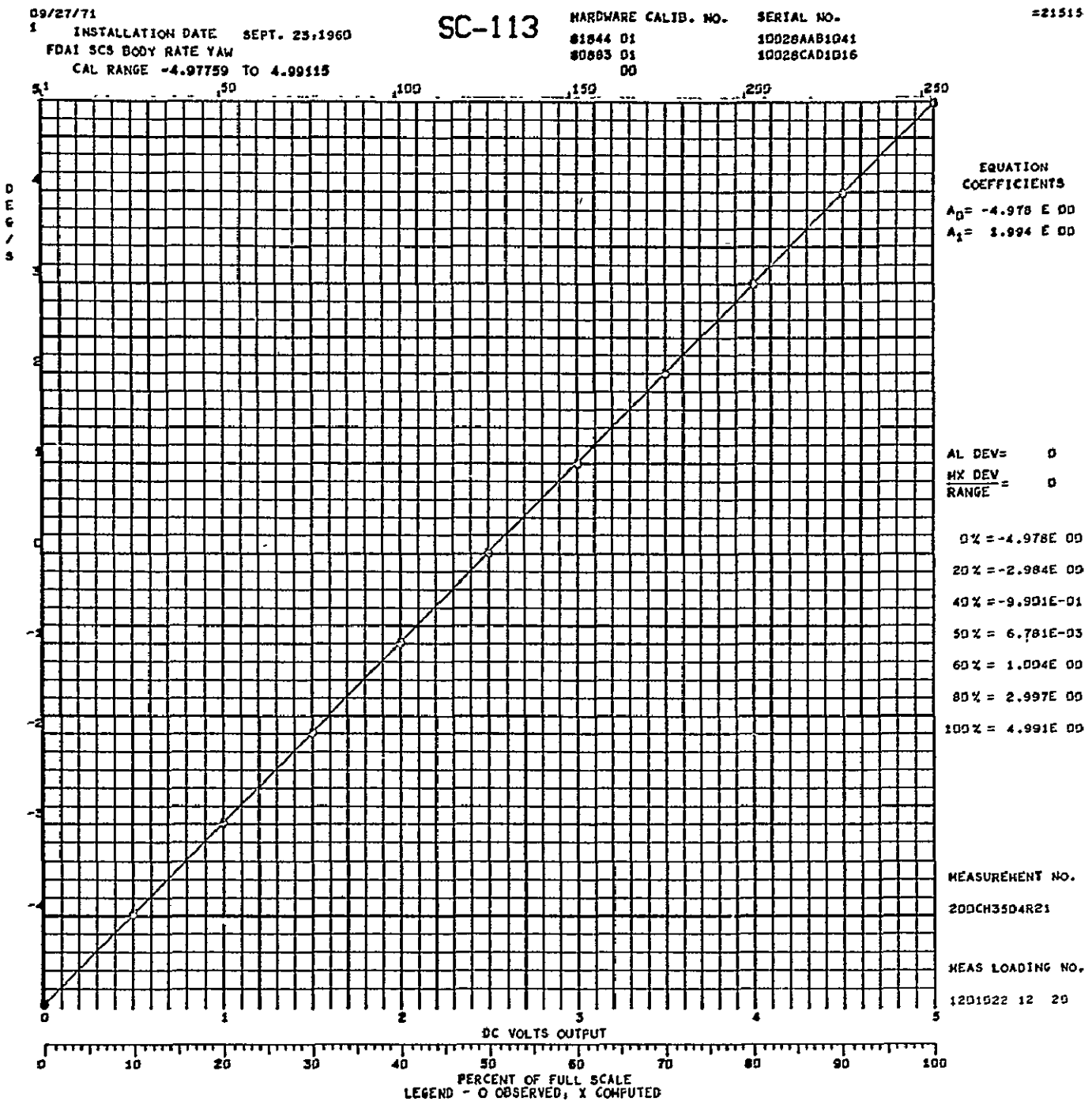
This is a multiple mode measurement. It is one of six options.
See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 2000H3504R11
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-0.994	38	-0.702	75	-0.409	112	-0.116	149	0.177	186	0.469	223	0.762
2	-0.987	39	-0.694	76	-0.401	113	-0.108	150	0.184	187	0.477	224	0.770
3	-0.979	40	-0.686	77	-0.393	114	-0.100	151	0.192	188	0.485	225	0.778
4	-0.971	41	-0.678	78	-0.385	115	-0.092	152	0.200	189	0.493	226	0.786
5	-0.963	42	-0.670	79	-0.377	116	-0 085	153	0.208	190	0.501	227	0.794
6	-0 955	43	-0 662	80	-0.369	117	-0.077	154	0 216	191	0.509	228	0 802
7	-0.947	44	-0.654	81	-0.361	118	-0.069	155	0.224	192	0.517	229	0.810
8	-0.939	45	-0 646	82	-0.354	119	-0.061	156	0.232	193	0.525	230	0.817
9	-0.931	46	-0.638	83	-0.346	120	-0.053	157	0.240	194	0.533	231	0 825
10	-0.923	47	-0.630	84	-0.338	121	-0.045	158	0.248	195	0.541	232	0.833
11	-0.915	48	-0 623	85	-0.330	122	-0.037	159	0.256	196	0.548	233	0 841
12	-0.907	49	-0.615	86	-0.322	123	-0.029	160	0.264	197	0.556	234	0.849
13	-0.899	50	-0.607	87	-0.314	124	-0.021	161	0.272	198	0.564	235	0.857
14	-0.892	51	-0.599	88	-0.306	125	-0.013	162	0.279	199	0.572	236	0.865
15	-0.884	52	-0.591	89	-0.298	126	-0.005	163	0.287	200	0.580	237	0.873
16	-0.876	53	-0.583	90	-0.290	127	0.003	164	0.295	201	0.588	238	0 881
17	-0.868	54	-0.575	91	-0.282	128	0.010	165	0.303	202	0.596	239	0.889
18	-0.860	55	-0 567	92	-0.274	129	0.018	166	0.311	203	0.604	240	0.897
19	-0.852	56	-0.559	93	-0.267	130	0.026	167	0.319	204	0.612	241	0.904
20	-0 844	57	-0.551	94	-0.259	131	0.034	168	0.327	205	0.620	242	0.912
21	-0.836	58	-0.543	95	-0.251	132	0.042	169	0.335	206	0 628	243	0.920
22	-0.828	59	-0.536	96	-0.243	133	0.050	170	0.343	207	0.635	244	0.928
23	-0.820	60	-0.528	97	-0.235	134	0.058	171	0.351	208	0.643	245	0.936
24	-0.812	61	-0.520	98	-0.227	135	0.066	172	0.359	209	0.651	246	0.944
25	-0.805	62	-0.512	99	-0.219	136	0.074	173	0.366	210	0.659	247	0.952
26	-0.797	63	-0.504	100	-0.211	137	0.082	174	0.374	211	0.667	248	0.960
27	-0.789	64	-0.496	101	-0.203	138	0.090	175	0.382	212	0.675	249	0.968
28	-0.781	65	-0.488	102	-0.195	139	0.097	176	0.390	213	0.683	250	0.976
29	-0.773	66	-0.480	103	-0.187	140	0.105	177	0.398	214	0.691	251	0.984
30	-0.765	67	-0.472	104	-0.179	141	0.113	178	0.406	215	0.699	252	0.992
31	-0.757	68	-0 464	105	-0.172	142	0.121	179	0.414	216	0.707	253	0.999
32	-0.749	69	-0.456	106	-0.164	143	0.129	180	0.422	217	0.715	254	1.007
33	-0.741	70	-0.448	107	-0.156	144	0.137	181	0.430	218	0.723		
34	-0.733	71	-0.441	108	-0.148	145	0.145	182	0.438	219	0.730		
35	-0.725	72	-0.433	109	-0.140	146	0.153	183	0.446	220	0.738		
36	-0.718	73	-0.425	110	-0.132	147	0.161	184	0.453	221	0.746		
37	-0.710	74	-0.417	111	-0.124	148	0.169	185	0.461	222	0.754		



This is a multiple mode measurement. It is two of six options. See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE YAW

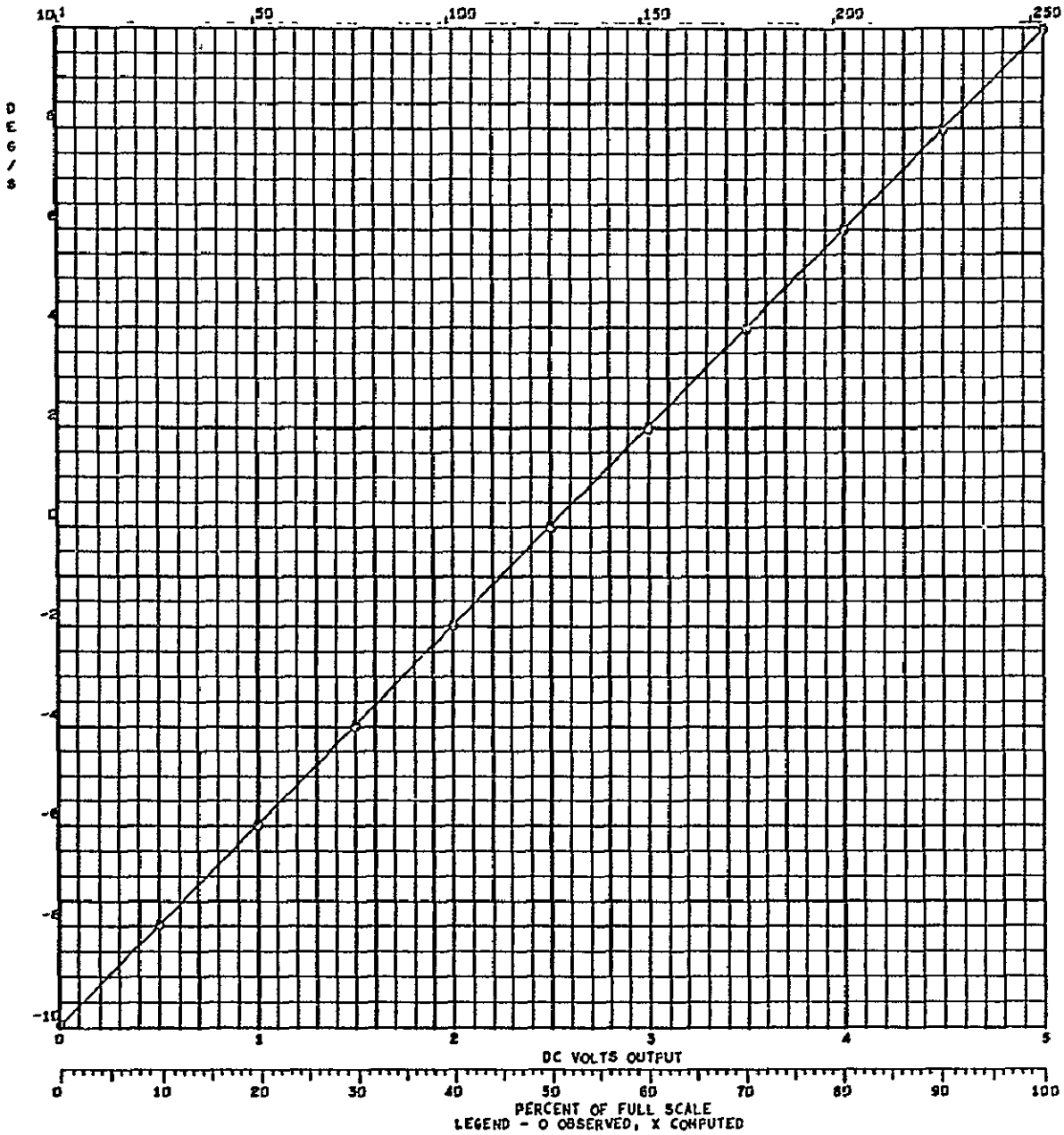
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VEHICLE SC-113
TRANSDUCER-SERIAL-NO. 10028AAB1541
SIGNAL CONDITIONER SERIAL NO. 10028CAC1516
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-4.978	38	-3.520	75	-2.062	112	-0.604	149	0.854	186	2.312	223	3.770
2	-4.938	39	-3.480	76	-2.022	113	-0.565	150	0.893	187	2.351	224	3.809
3	-4.899	40	-3.441	77	-1.983	114	-0.525	151	0.933	188	2.391	225	3.848
4	-4 859	41	-3.402	78	-1.944	115	-0.486	152	0.972	189	2.430	226	3.888
5	-4.820	42	-3.362	79	-1.904	116	-0.446	153	1.012	190	2.469	227	3.927
6	-4.781	43	-3.323	80	-1.865	117	-0.407	154	1.051	191	2.509	228	3.967
7	-4.741	44	-3.283	81	-1.825	118	-0.368	155	1.090	192	2.548	229	4.006
8	-4.702	45	-3.244	82	-1.786	119	-0.328	156	1.130	193	2.588	230	4.045
9	-4.662	46	-3.204	83	-1.747	120	-0.289	157	1.169	194	2.627	231	4.085
10	-4.623	47	-3.165	84	-1.707	121	-0.249	158	1.209	195	2.666	232	4.124
11	-4.584	48	-3.126	85	-1.668	122	-0.210	159	1.248	196	2.706	233	4.164
12	-4.544	49	-3.086	86	-1.628	123	-0.171	160	1.287	197	2.745	234	4.203
13	-4.505	50	-3.047	87	-1.589	124	-0.131	161	1.327	198	2.785	235	4.243
14	-4.465	51	-3.007	88	-1.550	125	-0.092	162	1.366	199	2.824	236	4.282
15	-4.426	52	-2.968	89	-1.510	126	-0.052	163	1.406	200	2.863	237	4.321
16	-4.387	53	-2.929	90	-1.471	127	-0.013	164	1.445	201	2.903	238	4.361
17	-4.347	54	-2.889	91	-1.431	128	0.026	165	1.484	202	2.942	239	4.400
18	-4.308	55	-2.850	92	-1.392	129	0.066	166	1.524	203	2.982	240	4.440
19	-4.268	56	-2.810	93	-1.353	130	0.105	167	1.563	204	3.021	241	4.479
20	-4.229	57	-2.771	94	-1.313	131	0.145	168	1.603	205	3.060	242	4.518
21	-4.190	58	-2.732	95	-1.274	132	0.184	169	1.642	206	3.100	243	4.558
22	-4.150	59	-2.692	96	-1.234	133	0.223	170	1.681	207	3.139	244	4.597
23	-4.111	60	-2.653	97	-1.195	134	0.263	171	1.721	208	3.179	245	4.637
24	-4.071	61	-2.613	98	-1.156	135	0.302	172	1.760	209	3.218	246	4.676
25	-4.032	62	-2.574	99	-1.116	136	0.342	173	1.800	210	3.257	247	4.715
26	-3.993	63	-2.535	100	-1.077	137	0.381	174	1.839	211	3.297	248	4.755
27	-3.953	64	-2.495	101	-1.037	138	0.421	175	1.878	212	3.336	249	4.794
28	-3.914	65	-2.456	102	-0.998	139	0.460	176	1.918	213	3.376	250	4.834
29	-3.874	66	-2.416	103	-0 959	140	0.499	177	1.957	214	3.415	251	4.873
30	-3 835	67	-2.377	104	-0.919	141	0.539	178	1.997	215	3.454	252	4.912
31	-3.796	68	-2.338	105	-0.880	142	0.578	179	2.036	216	3.494	253	4.952
32	-3.756	69	-2 298	106	-0.840	143	0.618	180	2.075	217	3.533	254	4.991
33	-3.717	70	-2.259	107	-0.801	144	0.657	181	2.115	218	3.573		
34	-3.677	71	-2.219	108	-0.762	145	0.696	182	2.154	219	3.612		
35	-3.638	72	-2.180	109	-0.722	146	0.736	183	2.194	220	3.651		
36	-3.599	73	-2.141	110	-0 683	147	0.775	184	2.233	221	3.691		
37	-3.559	74	-2.101	111	-0.643	148	0.815	185	2.272	222	3.730		

09/27/71 SC-113 *21515

1 INSTALLATION DATE SEPT. 23,1960
FDAI SCS BODY RATE YAW
CAL RANGE -9.96212 TO 9.97532

HARDWARE CALIB. NO.	SERIAL NO.
81845 01	10028AAB1041
80804 01	10028CAD1D16
00	



EQUATION COEFFICIENTS
A_0= -9.962 E 00
A_1= 9.987 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -9.962E 00
20% = -5.975E 00
40% = -1.988E 00
50% = 5.601E-03
60% = 1.999E 00
80% = 5.986E 00
100% = 9.973E 00

MEASUREMENT NO.
200CH3504R31

MEAS LOADING NO.
1201922 12 20

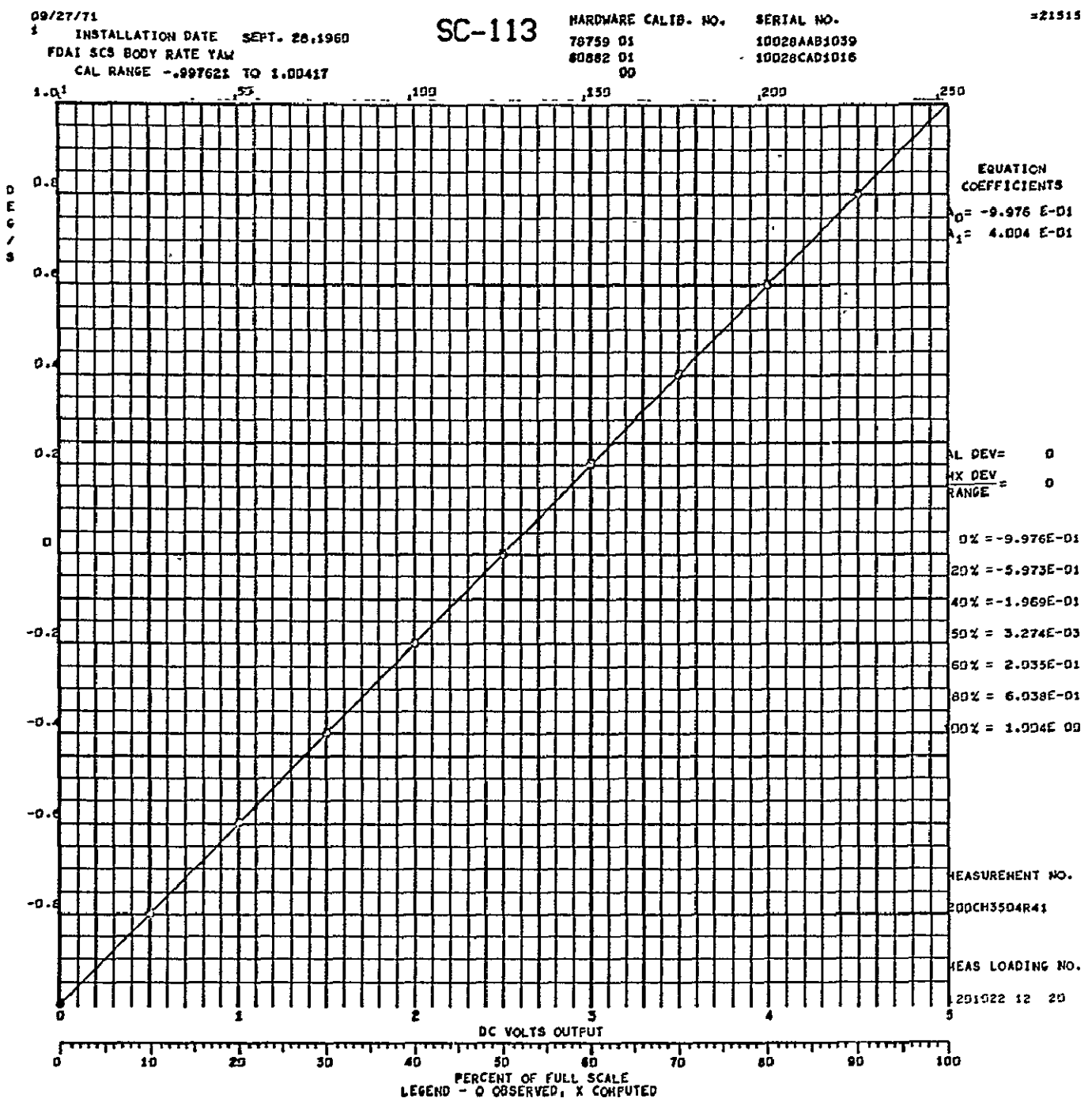
This is a multiple mode measurement. It is three of six options.
See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CH3504R31
VEHICLE SC-113
TRANSDUCER SERIAL NO 10028AAB1041
SIGNAL CONDITIONER SERIAL NO 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-9.962	38	-7.047	75	-4.131	112	-1.216	149	1.700	186	4.615	223	7.531
2	-9.883	39	-6.968	76	-4.052	113	-1.137	150	1.779	187	4.694	224	7.609
3	-9.805	40	-6.889	77	-3 974	114	-1.058	151	1.857	188	4.773	225	7.688
4	-9.726	41	-6.810	78	-3.895	115	-0.979	152	1.936	189	4.852	226	7.767
5	-9.647	42	-6.731	79	-3 816	116	-0.901	153	2.015	190	4.930	227	7.846
6	-9.568	43	-6.653	80	-3.737	117	-0.822	154	2.094	191	5.009	228	7.925
7	-9 489	44	-6.574	81	-3.658	118	-0.743	155	2.172	192	5.088	229	8.003
8	-9.411	45	-6.495	82	-3.580	119	-0.664	156	2 251	193	5.167	230	8.082
9	-9.332	46	-6.416	83	-3.501	120	-0 585	157	2.330	194	5.246	231	8.161
10	-9.253	47	-6.337	84	-3.422	121	-0.507	158	2 409	195	5.324	232	8.240
11	-9.174	48	-6.259	85	-3.343	122	-0.428	159	2.488	196	5.403	233	8.319
12	-9.095	49	-6.180	86	-3 264	123	-0.349	160	2.566	197	5.482	234	8.397
13	-9 017	50	-6.101	87	-3.186	124	-0.270	161	2.645	198	5.561	235	8.476
14	-8.938	51	-6.022	88	-3.107	125	-0.191	162	2.724	199	5.640	236	8.555
15	-8.859	52	-5.944	89	-3.028	126	-0.113	163	2.803	200	5.718	237	8.634
16	-8.780	53	-5.865	90	-2.949	127	-0.034	164	2.882	201	5.797	238	8.713
17	-8.701	54	-5.786	91	-2.870	128	0.045	165	2.960	202	5.876	239	8.791
18	-8 623	55	-5.707	92	-2.792	129	0.124	166	3.039	203	5.955	240	8.870
19	-8.544	56	-5.628	93	-2.713	130	0.203	167	3.118	204	6 034	241	8.949
20	-8.465	57	-5.550	94	-2.634	131	0.281	168	3.197	205	6.112	242	9.028
21	-8.386	58	-5.471	95	-2.555	132	0.360	169	3.276	206	6.191	243	9.107
22	-8.307	59	-5.392	96	-2.476	133	0.439	170	3.354	207	6.270	244	9.185
23	-8 229	60	-5 313	97	-2 398	134	0.518	171	3.433	208	6.349	245	9.264
24	-8.150	61	-5.234	98	-2.319	135	0.597	172	3.512	209	6.427	246	9.343
25	-8.071	62	-5.156	99	-2 240	136	0.675	173	3.591	210	6.506	247	9.422
26	-7.992	63	-5 077	100	-2.161	137	0.754	174	3.670	211	6 585	248	9.501
27	-7.913	64	-4.998	101	-2.082	138	0 833	175	3.748	212	6.664	249	9.579
28	-7.835	65	-4.919	102	-2.004	139	0.912	176	3.827	213	6.743	250	9.658
29	-7.756	66	-4.840	103	-1.925	140	0.991	177	3.906	214	6.821	251	9.737
30	-7.677	67	-4.762	104	-1.846	141	1.069	178	3.985	215	6.900	252	9.816
31	-7.598	68	-4 683	105	-1.767	142	1.148	179	4.064	216	6.979	253	9.895
32	-7.519	69	-4.604	106	-1.689	143	1.227	180	4.142	217	7.058	254	9.973
33	-7.441	70	-4.525	107	-1.610	144	1.306	181	4.221	218	7.137		
34	-7.362	71	-4.446	108	-1.531	145	1.385	182	4.300	219	7.215		
35	-7.283	72	-4.368	109	-1.452	146	1.463	183	4.379	220	7.294		
36	-7.204	73	-4 289	110	-1.373	147	1.542	184	4.458	221	7.373		
37	-7.125	74	-4.210	111	-1.295	148	1.621	185	4.536	222	7.452		



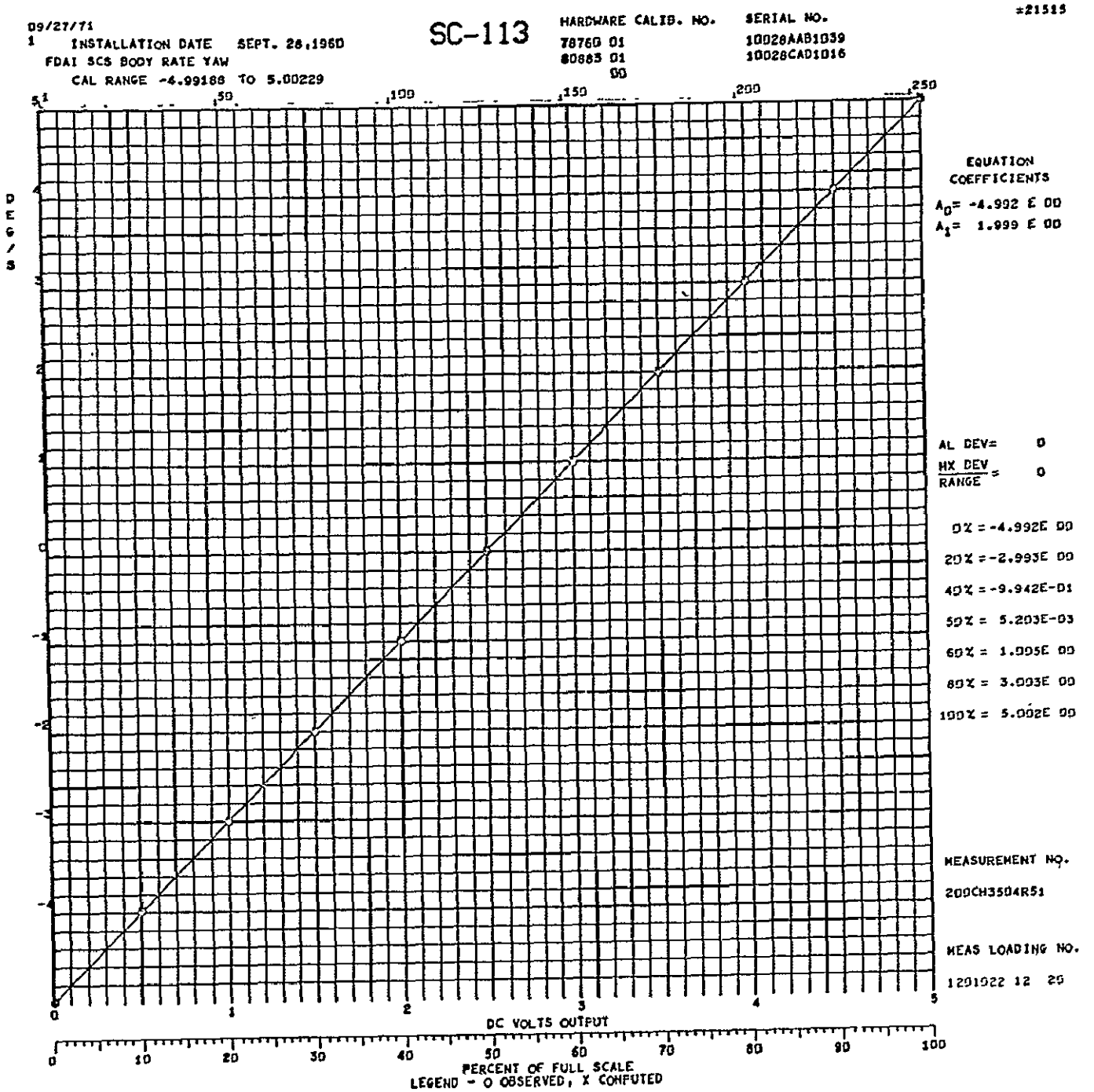
This is a multiple mode measurement. It is four of six options.
See FDIA event correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CG3504R41
VEHICLE SC-113
TRANSDUCER-SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-0.998	38	-0.705	75	-0.412	112	-0.119	149	0.173	186	0.466	223	0.759
2	-0.990	39	-0.697	76	-0.404	113	-0.111	150	0.181	187	0.474	224	0.767
3	-0.982	40	-0.689	77	-0.396	114	-0.104	151	0.189	188	0.482	225	0.775
4	-0.974	41	-0.681	78	-0.388	115	-0.096	152	0.197	189	0.490	226	0.783
5	-0.966	42	-0.673	79	-0.380	116	-0.088	153	0.205	190	0.498	227	0.791
6	-0.958	43	-0.665	80	-0.373	117	-0.080	154	0.213	191	0.506	228	0.798
7	-0.950	44	-0.657	81	-0.365	118	-0.072	155	0.221	192	0.514	229	0.806
8	-0.942	45	-0.649	82	-0.357	119	-0.064	156	0.229	193	0.522	230	0.814
9	-0.934	46	-0 642	83	-0.349	120	-0.056	157	0.237	194	0.529	231	0.822
10	-0 926	47	-0.634	84	-0.341	121	-0.048	158	0.245	195	0.537	232	0.830
11	-0.918	48	-0.626	85	-0.333	122	-0.040	159	0.253	196	0.545	233	0.838
12	-0.911	49	-0.618	86	-0.325	123	-0.032	160	0.260	197	0.553	234	0.846
13	-0.903	50	-0.610	87	-0.317	124	-0.024	161	0.268	198	0.561	235	0.854
14	-0.895	51	-0.602	88	-0.309	125	-0.017	162	0.276	199	0.569	236	0.862
15	-0.887	52	-0.594	89	-0.301	126	-0.009	163	0.284	200	0.577	237	0.870
16	-0.879	53	-0.586	90	-0.293	127	-0.001	164	0.292	201	0.585	238	0.878
17	-0.871	54	-0.578	91	-0.286	128	0.007	165	0.300	202	0.593	239	0.885
18	-0.863	55	-0.570	92	-0.278	129	0.015	166	0.308	203	0,601	240	0.893
19	-0.855	56	-0.562	93	-0.270	130	0.023	167	0.316	204	0.609	241	0.901
20	-0.847	57	-0.555	94	-0.262	131	0.031	168	0.324	205	0.616	242	0.909
21	-0.839	58	-0.547	95	-0.254	132	0.039	169	0.332	206	0.624	243	0.917
22	-0.831	59	-0.539	96	-0.246	133	0.047	170	0.340	207	0.632	244	0.925
23	-0.824	60	-0.531	97	-0.238	134	0.055	171	0.347	208	0.640	245	0.933
24	-0.816	61	-0.523	98	-0.230	135	0.063	172	0.355	209	0.648	246	0.941
25	-0.808	62	-0.515	99	-0.222	136	0.071	173	0.363	210	0.656	247	0.949
26	-0.800	63	-0.507	100	-0.214	137	0.078	174	0.371	211	0.664	248	0.957
27	-0.792	64	-0.499	101	-0.206	138	0.086	175	0.379	212	0.672	249	0.965
28	-0.784	65	-0.491	102	-0.198	139	0.094	176	0.387	213	0.680	250	0.973
29	-0.776	66	-0.483	103	-0.191	140	0.102	177	0.395	214	0.688	251	0.980
30	-0.768	67	-0.475	104	-0.183	141	0.110	178	0.403	215	0.696	252	0.988
31	-0.760	68	-0.468	105	-0.175	142	0.118	179	0.411	216	0.704	253	0.996
32	-0.752	69	-0.460	106	-0.167	143	0.126	180	0.419	217	0.711	254	1.004
33	-0.744	70	-0.452	107	-0.159	144	0.134	181	0.427	218	0.719		
34	-0.737	71	-0.444	108	-0.151	145	0.142	182	0.434	219	0.727		
35	-0.729	72	-0.436	109	-0.143	146	0.150	183	0.442	220	0.735		
36	-0.721	73	-0.428	110	-0.135	147	0.158	184	0.450	221	0.743		
37	-0.713	74	-0.420	111	-0.127	148	0.165	185	0.458	222	0.751		



This is a multiple mode measurement. It is five of six options.
See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 2000-35504R51
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

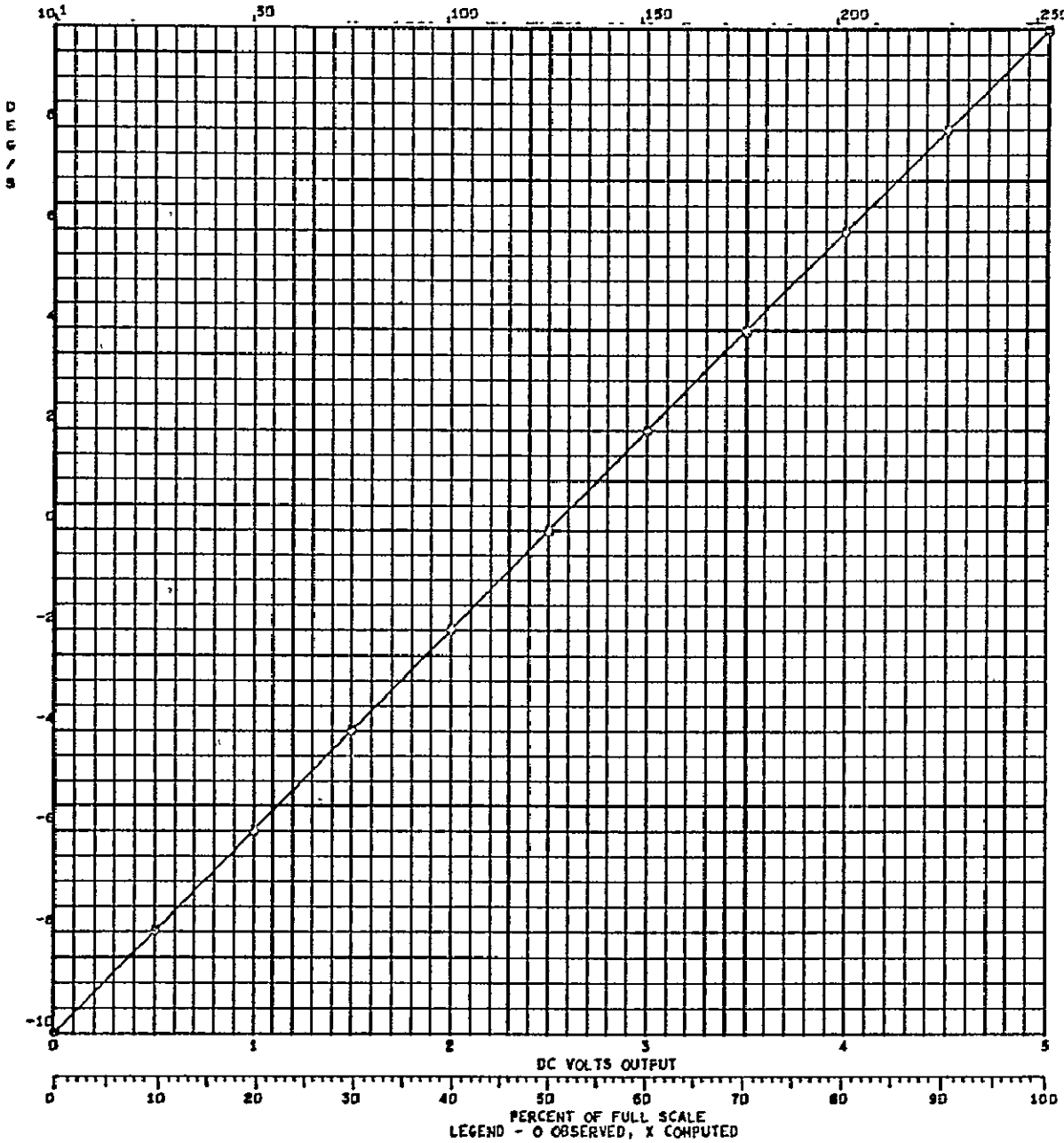
CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-4.992	38	-3.550	75	-2 069	112	-0.607	149	0.855	186	2.316	223	3.778
2	-4.952	39	-3.491	76	-2.029	113	-0.568	150	0.894	187	2.356	224	3.817
3	-4.913	40	-3.451	77	-1.990	114	-0.528	151	0.934	188	2.395	225	3.857
4	-4.873	41	-3.412	78	-1.950	115	-0.489	152	0.973	189	2.435	226	3.896
5	-4.834	42	-3.372	79	-1.911	116	-0.449	153	1.013	190	2.474	227	3.936
6	-4.794	43	-3.333	80	-1.871	117	-0.410	154	1.052	191	2.514	228	3.975
7	-4.755	44	-3.293	81	-1.832	118	-0.370	155	1.092	192	2.553	229	4.015
8	-4.715	45	-3.254	82	-1.792	119	-0.331	156	1.131	193	2.593	230	4.054
9	-4.676	46	-3.214	83	-1.753	120	-0.291	157	1.171	194	2.632	231	4.094
10	-4.636	47	-3.175	84	-1.713	121	-0.252	158	1.210	195	2.672	232	4.133
11	-4.597	48	-3.135	85	-1.674	122	-0.212	159	1.250	196	2.711	233	4.173
12	-4.557	49	-3.096	86	-1.634	123	-0.173	160	1.289	197	2.751	234	4.212
13	-4.518	50	-3.056	87	-1.595	124	-0.133	161	1.329	198	2.790	235	4.252
14	-4.478	51	-3.017	88	-1.555	125	-0.094	162	1.368	199	2.830	236	4.291
15	-4.439	52	-2.977	89	-1.516	126	-0.054	163	1.408	200	2.869	237	4.331
16	-4.399	53	-2.938	90	-1.476	127	-0.015	164	1.447	201	2.909	238	4.370
17	-4.360	54	-2.898	91	-1.437	128	0.025	165	1.487	202	2.948	239	4.410
18	-4.320	55	-2.859	92	-1.397	129	0.064	166	1.526	203	2.988	240	4.449
19	-4.281	56	-2.819	93	-1.358	130	0.104	167	1.566	204	3.027	241	4.489
20	-4.241	57	-2.780	94	-1.318	131	0.143	168	1.605	205	3.067	242	4.528
21	-4.202	58	-2.740	95	-1.279	132	0.183	169	1.645	206	3.106	243	4.568
22	-4.162	59	-2.701	96	-1.239	133	0.222	170	1.684	207	3.146	244	4.607
23	-4.123	60	-2.661	97	-1.200	134	0.262	171	1.724	208	3.185	245	4.647
24	-4.083	61	-2.622	98	-1.160	135	0.301	172	1.763	209	3.225	246	4.686
25	-4.044	62	-2.582	99	-1.121	136	0.341	173	1.803	210	3.264	247	4.726
26	-4.004	63	-2.543	100	-1.081	137	0.380	174	1.842	211	3.304	248	4.765
27	-3.965	64	-2.503	101	-1.042	138	0.420	175	1.882	212	3.343	249	4.805
28	-3.925	65	-2.464	102	-1.002	139	0.459	176	1.921	213	3.383	250	4.844
29	-3 886	66	-2.424	103	-0.963	140	0.499	177	1.961	214	3.422	251	4.884
30	-3.846	67	-2.385	104	-0.923	141	0.538	178	2.000	215	3.462	252	4.923
31	-3.807	68	-2.345	105	-0.884	142	0.578	179	2.040	216	3.501	253	4.963
32	-3.767	69	-2.306	106	-0 844	143	0.617	180	2.079	217	3.541	254	5.002
33	-3.728	70	-2.266	107	-0.805	144	0.657	181	2.119	218	3.580		
34	-3.688	71	-2.227	108	-0.765	145	0.696	182	2.158	219	3.620		
35	-3.649	72	-2.187	109	-0.726	146	0.736	183	2.198	220	3.659		
36	-3.609	73	-2 148	110	-0.686	147	0.776	184	2.237	221	3.699		
37	-3.570	74	-2.108	111	-0.647	148	0.815	185	2.277	222	3.738		

09/27/71
1 INSTALLATION DATE SEPT. 28,1960
FDAI SCS BODY RATE YAW
CAL RANGE -9.97403 TO 9.98266

SC-113

HARDWARE CALIB. NO. SERIAL NO.
78761 01 10028AAB1039
80864 01 10028CAD1016
00

=21515



EQUATION COEFFICIENTS
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A_1= 3.992 E 00

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% =-9.975E 00
20% =-5.983E 00
40% =-1.992E 00
50% = 4.014E-03
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100% = 9.983E 00

MEASUREMENT NO.
200CH3504R61

MEAS LOADING NO.
1291022 12 20

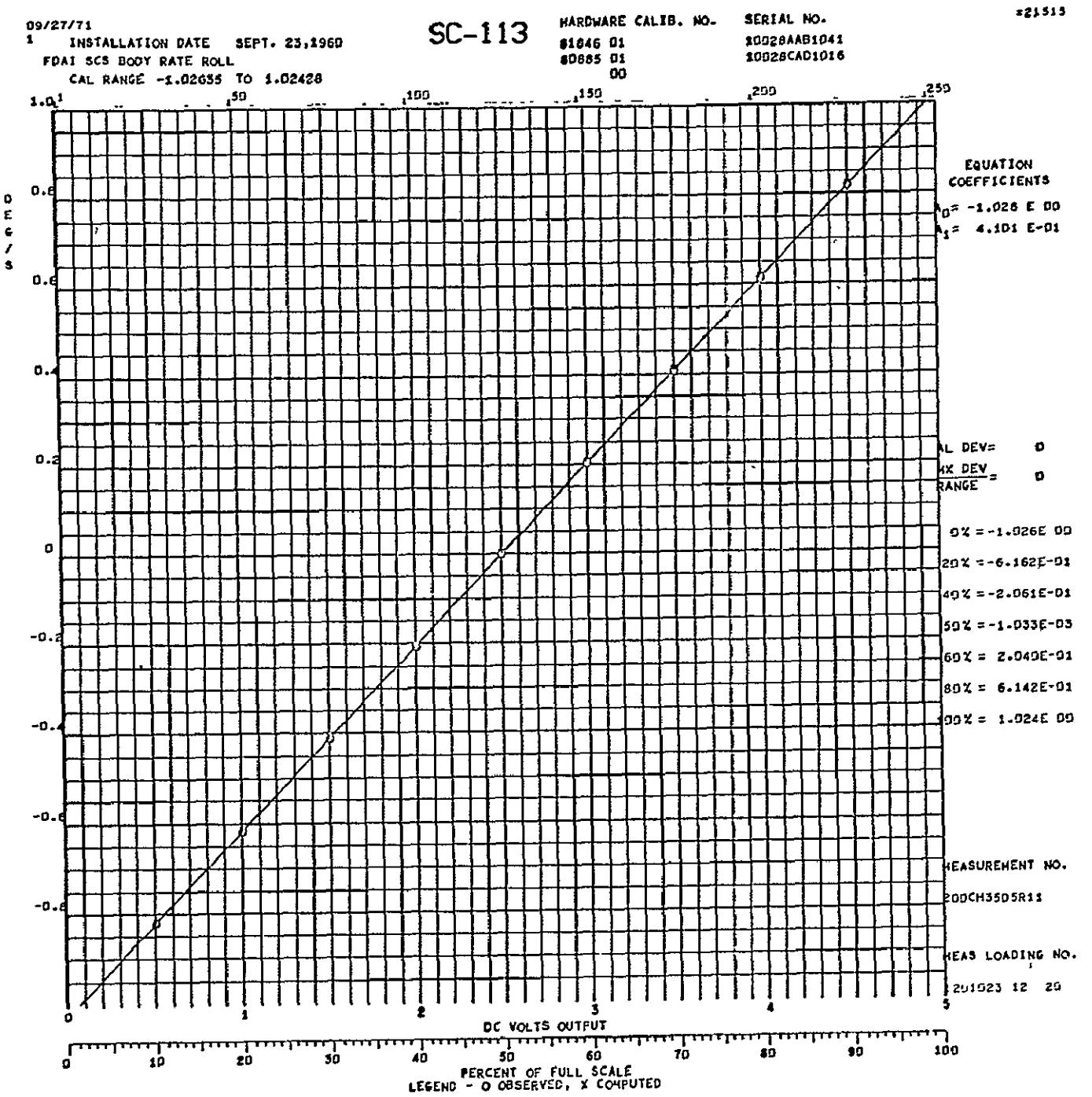
This is a multiple mode measurement. It is six of six options.
See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CH3504R61
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CA01016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-9.975	38	-7.056	75	-4.137	112	-1.219	149	1.700	186	4.619	223	7.537
2	-9.896	39	-6.977	76	-4.059	113	-1.140	150	1.779	187	4.698	224	7.616
3	-9.817	40	-6 898	77	-3.980	114	-1.061	151	1.858	188	4.777	225	7.695
4	-9.738	41	-6.819	78	-3.901	115	-0.982	152	1.937	189	4.855	226	7.774
5	-9.659	42	-6.741	79	-3.822	116	-0.903	153	2.016	190	4.934	227	7.853
6	-9.580	43	-6.662	80	-3.743	117	-0.824	154	2.094	191	5.013	228	7.932
7	-9.502	44	-6.583	81	-3.664	118	-0.745	155	2.173	192	5.092	229	8.011
8	-9.423	45	-6.504	82	-3.585	119	-0.667	156	2.252	193	5.171	230	8.090
9	-9.344	46	-6.425	83	-3.506	120	-0.588	157	2.331	194	5.250	231	8.169
10	-9.265	47	-6.346	84	-3.427	121	-0.509	158	2.410	195	5 329	232	8.247
11	-9.186	48	-6.267	85	-3.349	122	-0.430	159	2.489	196	5 408	233	8.326
12	-9.107	49	-6.188	86	-3.270	123	-0.351	160	2.568	197	5.486	234	8.405
13	-9.028	50	-6.110	87	-3.191	124	-0.272	161	2.647	198	5.565	235	8.484
14	-8.949	51	-6.031	88	-3.112	125	-0.193	162	2.726	199	5.644	236	8.563
15	-8.870	52	-5.952	89	-3.033	126	-0.114	163	2 804	200	5.723	237	8.642
16	-8.792	53	-5.873	90	-2.954	127	-0.035	164	2.883	201	5.802	238	8.721
17	-8.713	54	-5.794	91	-2.875	128	0.043	165	2.962	202	5.881	239	8.800
18	-8.634	55	-5.715	92	-2.796	129	0.122	166	3.041	203	5.960	240	8.878
19	-8.555	56	-5.636	93	-2.717	130	0.201	167	3.120	204	6 039	241	8.957
20	-8.476	57	-5.557	94	-2.639	131	0.280	168	3.199	205	6.118	242	9.036
21	-8.397	58	-5.478	95	-2.560	132	0.359	169	3.278	206	6.196	243	9.115
22	-8 318	59	-5.400	96	-2.481	133	0.438	170	3.357	207	6.275	244	9.194
23	-8.239	60	-5.321	97	-2.402	134	0.517	171	3.435	208	6.354	245	9.273
24	-8.160	61	-5.242	98	-2.323	135	0.596	172	3.514	209	6.433	246	9.352
25	-8.082	62	-5.163	99	-2.244	136	0.675	173	3.593	210	6.512	247	9.431
26	-8.003	63	-5.084	100	-2.165	137	0.753	174	3.672	211	6.591	248	9.510
27	-7.924	64	-5.005	101	-2.086	138	0.832	175	3.751	212	6.670	249	9.588
28	-7.845	65	-4.926	102	-2.008	139	0.911	176	3.830	213	6.749	250	9.667
29	-7.766	66	-4.847	103	-1.929	140	0.990	177	3.909	214	6.827	251	9.746
30	-7.687	67	-4.768	104	-1.850	141	1.069	178	3.988	215	6 906	252	9 825
31	-7.608	68	-4.690	105	-1.771	142	1.148	179	4.067	216	6.985	253	9.904
32	-7.529	69	-4 611	106	-1.692	143	1.227	180	4.145	217	7.064	254	9.983
33	-7.451	70	-4.532	107	-1.613	144	1.306	181	4.224	218	7.143		
34	-7.372	71	-4.453	108	-1.534	145	1.384	182	4.303	219	7.222		
35	-7.293	72	-4.374	109	-1.455	146	1.463	183	4.382	220	7.301		
36	-7.214	73	-4.295	110	-1.376	147	1.542	184	4.461	221	7.380		
37	-7.135	74	-4.216	111	-1.298	148	1.621	185	4.540	222	7.459		



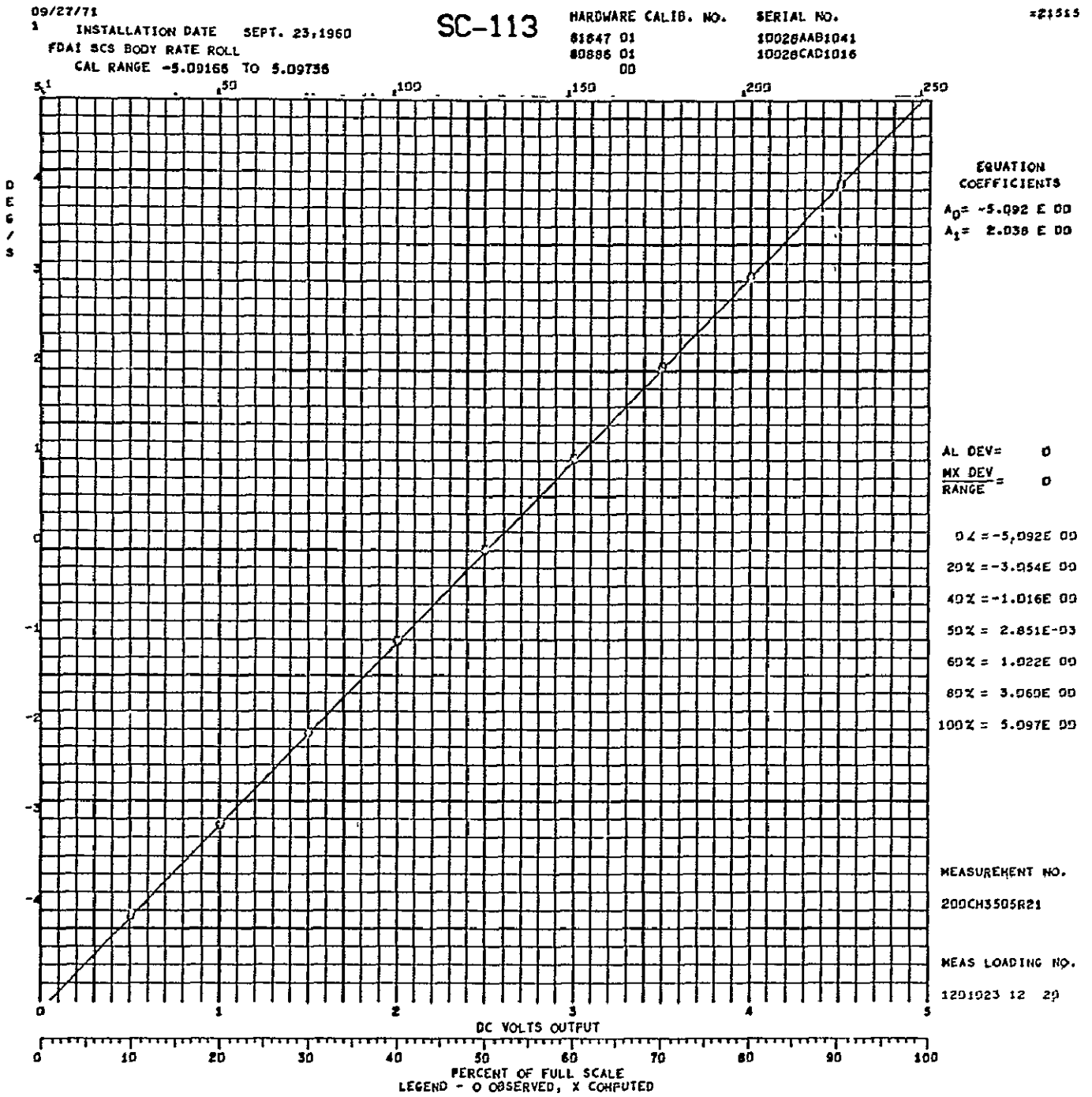
This is a multiple mode measurement. It is one of six options.
See FDIA event correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 200CH5905R11
VEHICLE SC-113
TRANSDUCER SERIAL NO. 15028AAB1541
SIGNAL CONDITIONER SERIAL NO. 15028CAD1916
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/69

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-1.026	38	-0.726	75	-0.427	112	-0.127	149	0.173	186	0.473	223	0.773
2	-1.018	39	-0.718	76	-0.418	113	-0.119	150	0.181	187	0.481	224	0.781
3	-1.010	40	-0.710	77	-0.410	114	-0.110	151	0.189	188	0.489	225	0.789
4	-1.002	41	-0.702	78	-0 402	115	-0.102	152	0.198	189	0.497	226	0.797
5	-0.994	42	-0.694	79	-0.394	116	-0.094	153	0.206	190	0.506	227	0.805
6	-0.986	43	-0.686	80	-0.386	117	-0.086	154	0.214	191	0.514	228	0.814
7	-0.978	44	-0.678	81	-0.378	118	-0.078	155	0.222	192	0.522	229	0.822
8	-0.970	45	-0.670	82	-0.370	119	-0.070	156	0.230	193	0.530	230	0.830
9	-0.962	46	-0.662	83	-0.362	120	-0.062	157	0.238	194	0.538	231	0.838
10	-0.953	47	-0.654	84	-0.354	121	-0.054	158	0.246	195	0.546	232	0.846
11	-0.945	48	-0.645	85	-0.346	122	-0.046	159	0.254	196	0.554	233	0.854
12	-0.937	49	-0.637	86	-0.337	123	-0.038	160	0.262	197	0.562	234	0.862
13	-0.929	50	-0.629	87	-0.329	124	-0.029	161	0.270	198	0.570	235	0 870
14	-0.921	51	-0.621	88	-0.321	125	-0.021	162	0.279	199	0.578	236	0.878
15	-0.913	52	-0.613	89	-0.313	126	-0.013	163	0.287	200	0.587	237	0.886
16	-0.905	53	-0.605	90	-0.305	127	-0.005	164	0.295	201	0.595	238	0.895
17	-0 897	54	-0.597	91	-0.297	128	0.003	165	0.303	202	0.603	239	0.903
18	-0.889	55	-0.589	92	-0.289	129	0.011	166	0.311	203	0.611	240	0.911
19	-0.880	56	-0.581	93	-0.281	130	0.019	167	0.319	204	0.619	241	0.919
20	-0.872	57	-0.572	94	-0.273	131	0.027	168	0.327	205	0.627	242	0.927
21	-0.864	58	-0.564	95	-0.264	132	0.035	169	0.335	206	0.635	243	0.935
22	-0.856	59	-0.556	96	-0.256	133	0.044	170	0.343	207	0.643	244	0.943
23	-0.848	60	-0.548	97	-0 248	134	0.052	171	0.352	208	0 651	245	0.951
24	-0 840	61	-0.540	98	-0.240	135	0.060	172	0.360	209	0.660	246	0.959
25	-0 832	62	-0.532	99	-0.232	136	0.068	173	0.368	210	0.668	247	0.968
26	-0.824	63	-0.524	100	-0.224	137	0.076	174	0.376	211	0.676	248	0.976
27	-0.816	64	-0.516	101	-0 216	138	0.084	175	0.384	212	0.684	249	0.984
28	-0 808	65	-0.508	102	-0.208	139	0.092	176	0.392	213	0.692	250	0.992
29	-0.799	66	-0.500	103	-0.200	140	0.100	177	0.400	214	0.700	251	1.000
30	-0.791	67	-0.491	104	-0.192	141	0.108	178	0.408	215	0.708	252	1.008
31	-0.783	68	-0.483	105	-0.183	142	0.116	179	0.416	216	0.716	253	1.016
32	-0.775	69	-0.475	106	-0.175	143	0.125	180	0.424	217	0.724	254	1.024
33	-0.767	70	-0.467	107	-0.167	144	0.133	181	0.433	218	0.732		
34	-0.759	71	-0.459	108	-0.159	145	0.141	182	0.441	219	0.741		
35	-0.751	72	-0.451	109	-0.151	146	0.149	183	0.449	220	0.749		
36	-0.743	73	-0.443	110	-0.143	147	0.157	184	0 457	221	0.757		
37	-0.735	74	-0.435	111	-0.135	148	0.165	185	0.465	222	0.765		



This is a multiple mode measurement. It is two of six options.
See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 2500H3505R21
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

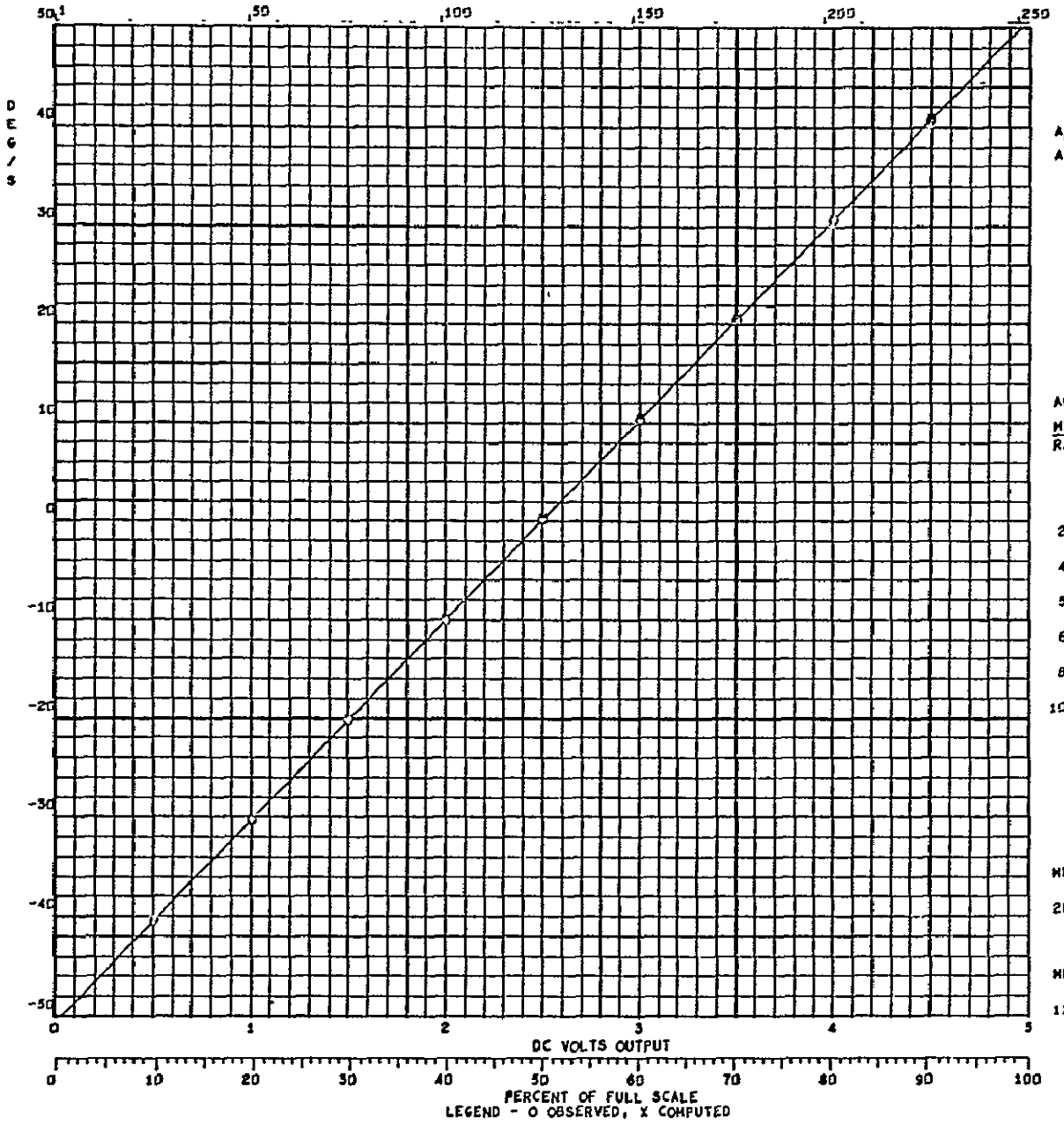
CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-5.092	38	-3.602	75	-2.111	112	-0.621	149	0.869	186	2.359	223	3 849
2	-5.051	39	-3.561	76	-2.071	113	-0.581	150	0.909	187	2.399	224	3.889
3	-5.011	40	-3.521	77	-2.031	114	-0.541	151	0.949	188	2.439	225	3.929
4	-4.971	41	-3.481	78	-1.991	115	-0.501	152	0.990	189	2.480	226	3.970
5	-4.931	42	-3.440	79	-1.950	116	-0.460	153	1.030	190	2.520	227	4.010
6	-4.890	43	-3.400	80	-1.910	117	-0.420	154	1.070	191	2.560	228	4.050
7	-4.850	44	-3.360	81	-1.870	118	-0.380	155	1.110	192	2.600	229	4.091
8	-4.810	45	-3.320	82	-1.830	119	-0.339	156	1.151	193	2.641	230	4.131
9	-4.769	46	-3.279	83	-1.789	120	-0.299	157	1.191	194	2 681	231	4.171
10	-4.729	47	-3.239	84	-1.749	121	-0.259	158	1.231	195	2.721	232	4.211
11	-4.689	48	-3.199	85	-1.709	122	-0.219	159	1.271	196	2.762	233	4.252
12	-4.649	49	-3.159	86	-1.668	123	-0.178	160	1.312	197	2.802	234	4.292
13	-4.608	50	-3.118	87	-1.628	124	-0.138	161	1.352	198	2.842	235	4.332
14	-4.568	51	-3.078	88	-1.588	125	-0.098	162	1.392	199	2.882	236	4.372
15	-4.528	52	-3.038	89	-1.548	126	-0.058	163	1.433	200	2.923	237	4.413
16	-4.488	53	-2.997	90	-1.507	127	-0.017	164	1.473	201	2.963	238	4.453
17	-4.447	54	-2.957	91	-1.467	128	0.023	165	1.513	202	3.003	239	4.493
18	-4.407	55	-2.917	92	-1.427	129	0.063	166	1.553	203	3.043	240	4.534
19	-4.367	56	-2.877	93	-1.387	130	0.104	167	1.594	204	3 084	241	4.574
20	-4.326	57	-2.836	94	-1.346	131	0.144	168	1.634	205	3.124	242	4.614
21	-4.286	58	-2.796	95	-1.306	132	0.184	169	1.674	206	3.164	243	4.654
22	-4.246	59	-2.756	96	-1.266	133	0.224	170	1.714	207	3.205	244	4.695
23	-4.206	60	-2.716	97	-1.225	134	0.265	171	1.755	208	3.245	245	4.735
24	-4.165	61	-2.675	98	-1.185	135	0.305	172	1.795	209	3.285	246	4.775
25	-4.125	62	-2.635	99	-1.145	136	0.345	173	1.835	210	3.325	247	4.815
26	-4.085	63	-2.595	100	-1.105	137	0.385	174	1.876	211	3.366	248	4.856
27	-4.045	64	-2.554	101	-1.064	138	0.426	175	1.916	212	3.406	249	4.896
28	-4.004	65	-2.514	102	-1 024	139	0.466	176	1.956	213	3.446	250	4.936
29	-3.964	66	-2.474	103	-0.984	140	0.506	177	1.996	214	3.486	251	4.977
30	-3.924	67	-2.434	104	-0.944	141	0.547	178	2.037	215	3.527	252	5.017
31	-3.883	68	-2.393	105	-0.903	142	0.587	179	2.077	216	3.567	253	5.057
32	-3.843	69	-2.353	106	-0.863	143	0.627	180	2.117	217	3.607	254	5.097
33	-3.803	70	-2.313	107	-0.823	144	0.667	181	2.157	218	3.648		
34	-3.763	71	-2.273	108	-0.782	145	0.708	182	2.198	219	3.688		
35	-3.722	72	-2.232	109	-0.742	146	0.748	183	2.238	220	3.728		
36	-3.682	73	-2.192	110	-0.702	147	0.788	184	2.278	221	3.768		
37	-3.642	74	-2.152	111	-0.662	148	0.828	185	2.319	222	3.809		

09/27/71
1 INSTALLATION DATE SEPT. 23,1960
FDAI SCS BODY RATE ROLL
CAL RANGE -50.6164 TO 51.0055

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81848 01	10028AAB1041
80887 01	10028CAD1016
00	

#21515



EQUATION COEFFICIENTS

A_0= -5.062 E 01
A_1= 2.032 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-5.062E 01
20% =-3.029E 01
40% =-9.968E 00
50% = 1.945E-01
60% = 1.036E 01
80% = 3.068E 01
100% = 5.101E 01

MEASUREMENT NO.
200CM3505R31

MEAS LOADING NO.
1201023 12 20

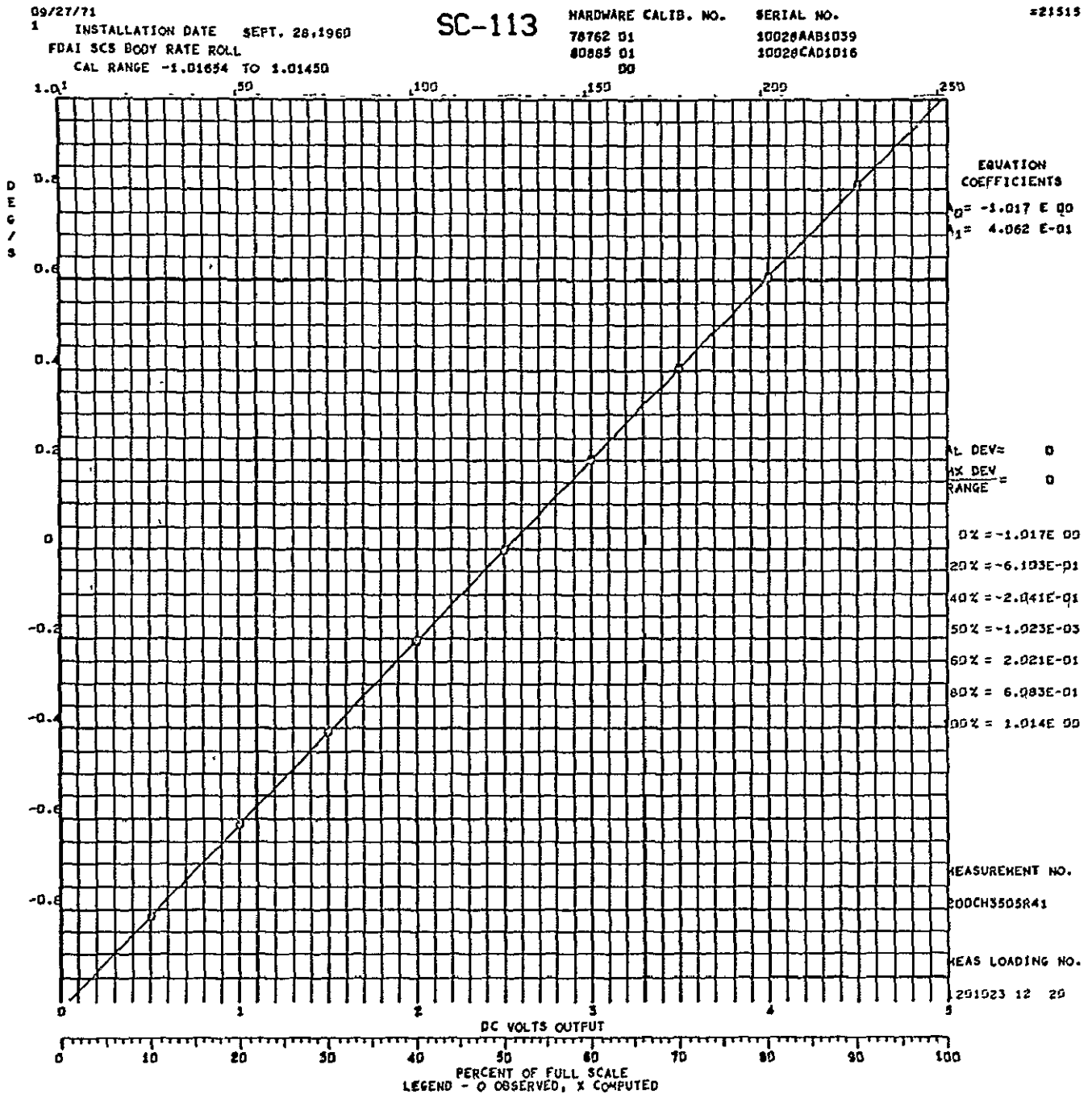
This is a multiple mode measurement. It is three of six options.
See FDIA event correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 2000-3505R31
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/60

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-50.616	38	-35.755	75	-20.893	112	-6.031	149	8.830	186	23.692	223	38.554
2	-50.215	39	-35.353	76	-20.491	113	-5.630	150	9.232	187	24.094	224	38.955
3	-49.813	40	-34.951	77	-20.090	114	-5.228	151	9.634	188	24.495	225	39.357
4	-49.411	41	-34.550	78	-19.688	115	-4.826	152	10.035	189	24.897	226	39.759
5	-49.010	42	-34.148	79	-19.286	116	-4.425	153	10.437	190	25.299	227	40.160
6	-48.608	43	-33.746	80	-18.885	117	-4.023	154	10.839	191	25.700	228	40.562
7	-48.206	44	-33.345	81	-18.483	118	-3.621	155	11.240	192	26.102	229	40.964
8	-47.805	45	-32.943	82	-18.081	119	-3.220	156	11.642	193	26.504	230	41.365
9	-47.403	46	-32.541	83	-17.680	120	-2.818	157	12.044	194	26.905	231	41.767
10	-47.001	47	-32.140	84	-17.278	121	-2.416	158	12.445	195	27.307	232	42.169
11	-46.600	48	-31.738	85	-16.876	122	-2.015	159	12.847	196	27.709	233	42.570
12	-46.198	49	-31.336	86	-16.475	123	-1.613	160	13.249	197	28.110	234	42.972
13	-45.796	50	-30.935	87	-16 073	124	-1.211	161	13.650	198	28.512	235	43.374
14	-45.395	51	-30.533	88	-15.671	125	-0.810	162	14.052	199	28.914	236	43.775
15	-44.993	52	-30.131	89	-15.270	126	-0.408	163	14.454	200	29.315	237	44.177
16	-44.591	53	-29.730	90	-14.868	127	-0.006	164	14.855	201	29.717	238	44.579
17	-44.190	54	-29.328	91	-14.466	128	0.395	165	15.257	202	30.119	239	44.980
18	-43.788	55	-28.926	92	-14.065	129	0.797	166	15.659	203	30.520	240	45.382
19	-43.386	56	-28.525	93	-13.663	130	1.199	167	16.060	204	30.922	241	45.784
20	-42.985	57	-28.123	94	-13.261	131	1.600	168	16.462	205	31.324	242	46.185
21	-42.583	58	-27.721	95	-12.860	132	2.002	169	16.864	206	31.725	243	46.587
22	-42.181	59	-27.320	96	-12.458	133	2.404	170	17.265	207	32.127	244	46.989
23	-41.780	60	-26.918	97	-12.056	134	2.805	171	17.667	208	32.529	245	47.391
24	-41.378	61	-26.516	98	-11.655	135	3.207	172	18.069	209	32.930	246	47.792
25	-40.976	62	-26.115	99	-11.253	136	3.609	173	18.470	210	33.332	247	48.194
26	-40.575	63	-25.713	100	-10.851	137	4.010	174	18.872	211	33.734	248	48.596
27	-40.173	64	-25.311	101	-10.450	138	4.412	175	19.274	212	34.135	249	48.997
28	-39.771	65	-24.910	102	-10.048	139	4.814	176	19.675	213	34.537	250	49.399
29	-39.370	66	-24.508	103	-9.646	140	5.215	177	20.077	214	34.939	251	49.801
30	-38.968	67	-24.106	104	-9.245	141	5.617	178	20.479	215	35.340	252	50.202
31	-38.566	68	-23.705	105	-8.843	142	6.019	179	20.880	216	35.742	253	50.604
32	-38.165	69	-23.303	106	-8.441	143	6.420	180	21.282	217	36.144	254	51.006
33	-37.763	70	-22.901	107	-8.040	144	6.822	181	21.684	218	36.545		
34	-37.361	71	-22.500	108	-7.638	145	7.224	182	22.085	219	36.947		
35	-36.960	72	-22.098	109	-7.236	146	7.625	183	22.487	220	37.349		
36	-36.558	73	-21.696	110	-6.835	147	8.027	184	22.889	221	37.750		
37	-36.156	74	-21.295	111	-6.433	148	8.429	185	23.290	222	38.152		



This is a multiple mode measurement. It is four of six options.

See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 200CH3505R41
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

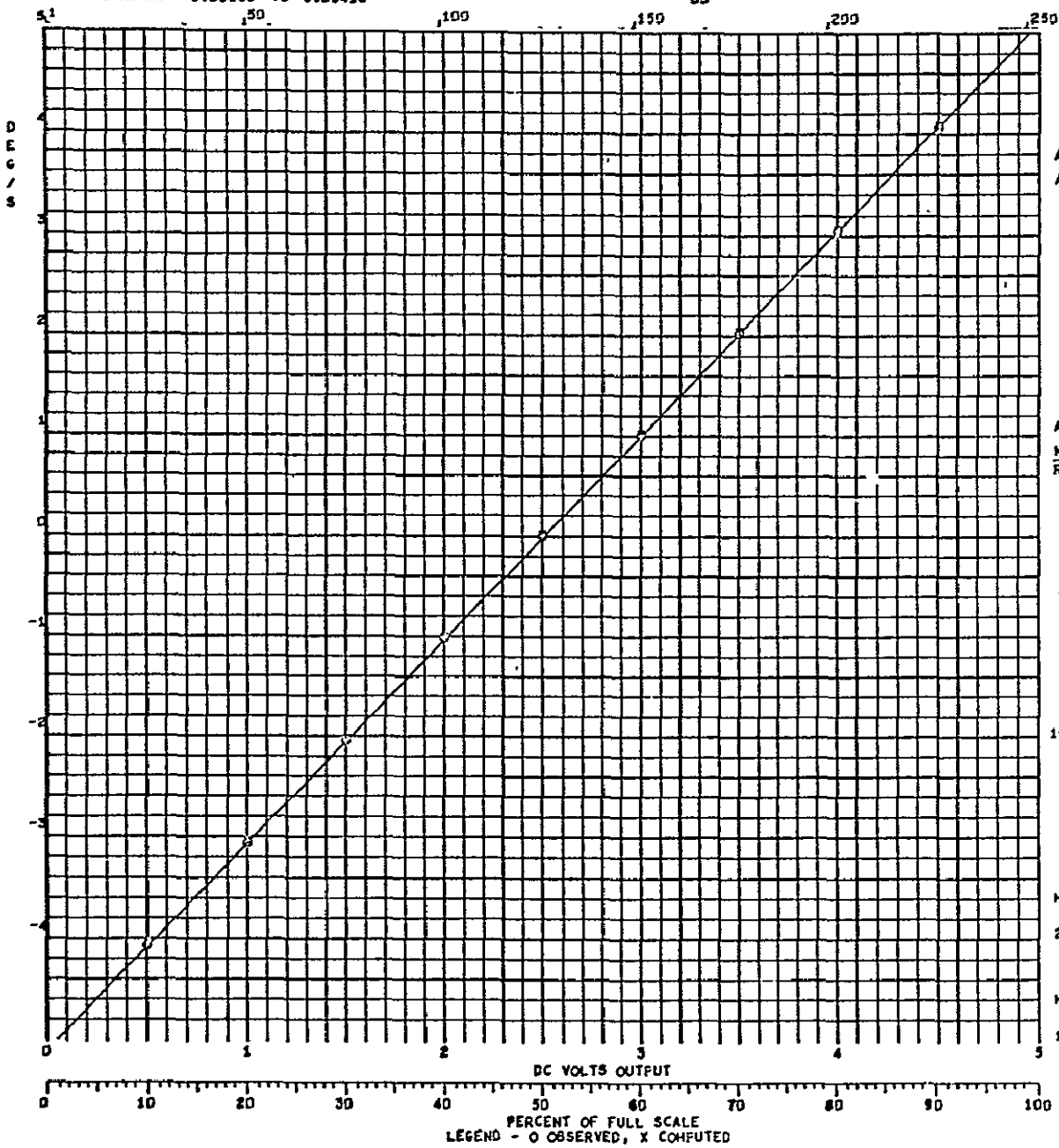
CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-1.017	38	-0.720	75	-0.422	112	-0.125	149	0.172	186	0.469	223	0.766
2	-1.009	39	-0.711	76	-0.414	113	-0.117	150	0.180	187	0.477	224	0.774
3	-1.000	40	-0.703	77	-0.406	114	-0.109	151	0.188	188	0.485	225	0.782
4	-0.992	41	-0.695	78	-0.398	115	-0.101	152	0.196	189	0.493	226	0.790
5	-0.984	42	-0.687	79	-0.390	116	-0.093	153	0.204	190	0.501	227	0.798
6	-0.976	43	-0.679	80	-0.382	117	-0.085	154	0.212	191	0.509	228	0.806
7	-0.968	44	-0.671	81	-0.374	118	-0.077	155	0.220	192	0.517	229	0.814
8	-0.960	45	-0 663	82	-0.366	119	-0.069	156	0.228	193	0.525	230	0.822
9	-0.952	46	-0.655	83	-0.358	120	-0.061	157	0.236	194	0.533	231	0.830
10	-0.944	47	-0.647	84	-0.350	121	-0.053	158	0.244	195	0.541	232	0.838
11	-0.936	48	-0.639	85	-0.342	122	-0.045	159	0.252	196	0.549	233	0.846
12	-0.928	49	-0.631	86	-0.334	123	-0.037	160	0.260	197	0.557	234	0.854
13	-0.920	50	-0.623	87	-0.326	124	-0.029	161	0.268	198	0.565	235	0.862
14	-0.912	51	-0.615	88	-0.318	125	-0.021	162	0.276	199	0.573	236	0.870
15	-0.904	52	-0.607	89	-0.310	126	-0.013	163	0.284	200	0.581	237	0.878
16	-0.896	53	-0.599	90	-0.302	127	-0.005	164	0.292	201	0.589	238	0.886
17	-0.888	54	-0.591	91	-0.294	128	0.003	165	0.300	202	0.597	239	0.894
18	-0.880	55	-0.583	92	-0.286	129	0.011	166	0.308	203	0.605	240	0.902
19	-0.872	56	-0.575	93	-0.278	130	0.019	167	0.316	204	0.613	241	0.910
20	-0.864	57	-0.567	94	-0.270	131	0.027	168	0.324	205	0.621	242	0.918
21	-0.856	58	-0.559	95	-0.262	132	0.035	169	0.332	206	0.629	243	0.926
22	-0.848	59	-0.551	96	-0.254	133	0.043	170	0.340	207	0.637	244	0.934
23	-0.840	60	-0.543	97	-0.246	134	0.051	171	0.348	208	0.645	245	0.942
24	-0.832	61	-0.535	98	-0.238	135	0.059	172	0.356	209	0.653	246	0.950
25	-0.824	62	-0.527	99	-0.230	136	0.067	173	0.364	210	0.661	247	0.958
26	-0.816	63	-0.519	100	-0.222	137	0.075	174	0.372	211	0.669	248	0.966
27	-0.808	64	-0.511	101	-0.214	138	0.083	175	0.380	212	0.677	249	0.974
28	-0.800	65	-0.503	102	-0.206	139	0.091	176	0.388	213	0.685	250	0.982
29	-0.792	66	-0.495	103	-0.198	140	0.099	177	0.396	214	0.693	251	0.990
30	-0.784	67	-0 487	104	-0.190	141	0.107	178	0.404	215	0.701	252	0.998
31	-0.776	68	-0.479	105	-0.182	142	0.115	179	0.412	216	0.709	253	1.006
32	-0.768	69	-0.471	106	-0.174	143	0.123	180	0.420	217	0.717	254	1.014
33	-0.760	70	-0.463	107	-0.166	144	0.131	181	0.428	218	0.725		
34	-0.752	71	-0.455	108	-0.158	145	0.139	182	0.436	219	0.734		
35	-0.744	72	-0.447	109	-0.150	146	0.147	183	0.445	220	0.742		
36	-0.736	73	-0.439	110	-0.142	147	0.156	184	0.453	221	0.750		
37	-0.728	74	-0.431	111	-0.133	148	0.164	185	0.461	222	0.758		

09/27/71
1 INSTALLATION DATE SEPT. 28.1960
FDAI SCS BODY RATE ROLL
CAL RANGE -5.09163 TO 5.09413

SC-113

HARDWARE CALIB. NO. SERIAL NO.
78763 01 10028AAB1039
80886 01 10028CAD1916
00

#21515



EQUATION COEFFICIENTS
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A_1= 2.037 E 00

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MX DEV / RANGE = 0

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20% = -3.054E 00
40% = -1.017E 00
50% = 1.251E-03
60% = 1.020E 00
80% = 3.057E 00
100% = 5.094E 00

MEASUREMENT NO.
200CH3505R51

MEAS LOADING NO.
1201923 12 25

This is a multiple mode measurement. It is five of six options.
See FDIA event correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE ROLL

MEASUREMENT NO 200CH3505R51
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 09/28/60

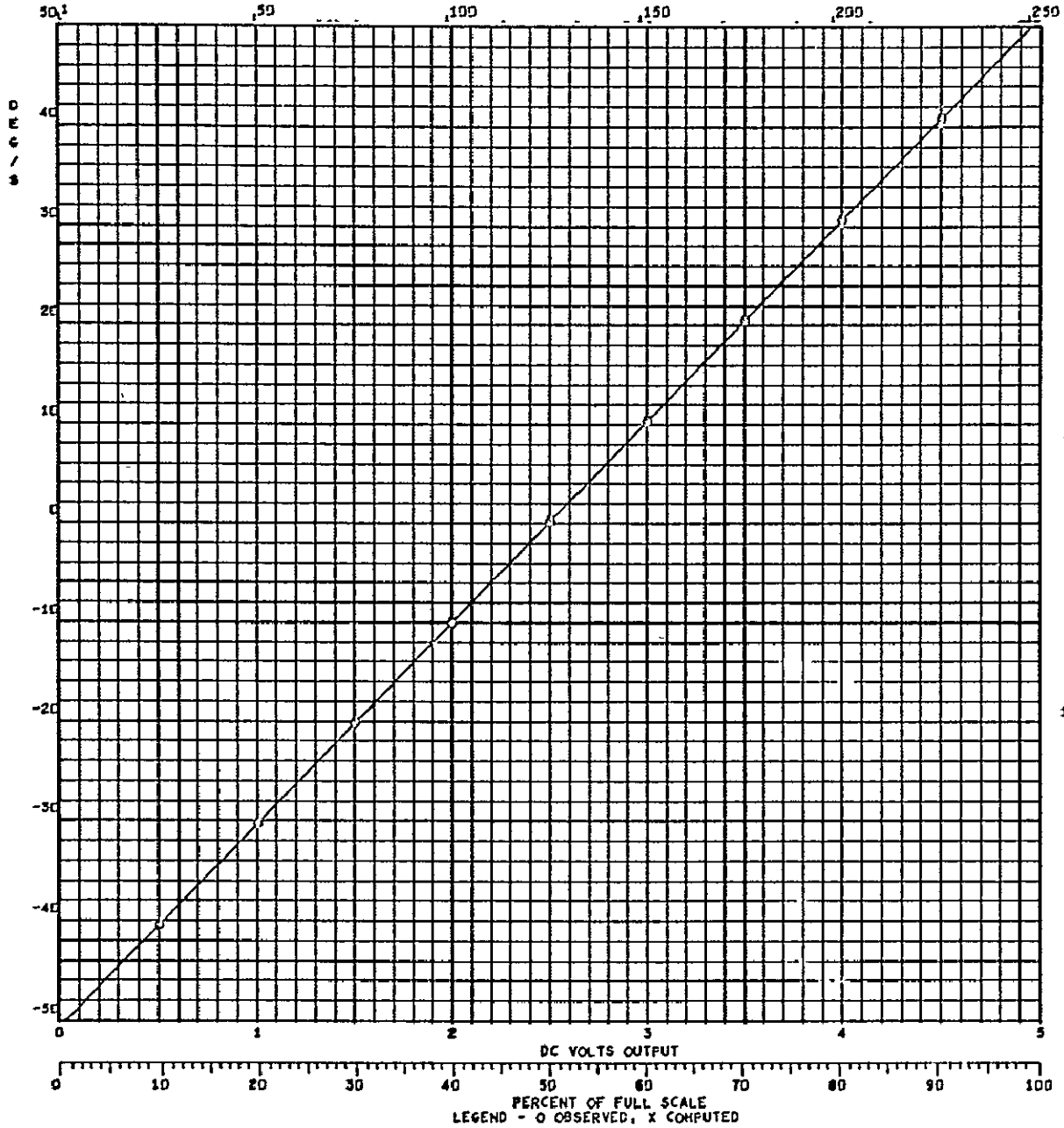
CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-5.092	38	-3.602	75	-2.112	112	-0 623	149	0.867	186	2.356	223	3.845
2	-5.051	39	-3.562	76	-2.072	113	-0.583	150	0.907	187	2.397	224	3.886
3	-5.011	40	-3.521	77	-2.032	114	-0.542	151	0.947	188	2 437	225	3.927
4	-4.971	41	-3.481	78	-1.992	115	-0.502	152	0.988	189	2 477	226	3 967
5	-4.931	42	-3 441	79	-1.951	116	-0.462	153	1.028	190	2 517	227	4.007
6	-4.890	43	-3.401	80	-1.911	117	-0.421	154	1.068	191	2.558	228	4.047
7	-4.850	44	-3.360	81	-1.871	118	-0.381	155	1.108	192	2.598	229	4.088
8	-4.810	45	-3 320	82	-1.831	119	-0.341	156	1.149	193	2.638	230	4.128
9	-4.770	46	-3.280	83	-1.790	120	-0.301	157	1.189	194	2.679	231	4.168
10	-4.729	47	-3.240	84	-1.750	121	-0.260	158	1.229	195	2.719	232	4.208
11	-4.689	48	-3.199	85	-1.710	122	-0 220	159	1.269	196	2.759	233	4.249
12	-4.649	49	-3.159	86	-1.670	123	-0.180	160	1.310	197	2.799	234	4 289
13	-4.609	50	-3.119	87	-1.629	124	-0.140	161	1.350	198	2.840	235	4.329
14	-4.568	51	-3 079	88	-1.589	125	-0.099	162	1.390	199	2.880	236	4.369
15	-4.528	52	-3.038	89	-1.549	126	-0.059	163	1.430	200	2.920	237	4.410
16	-4.488	53	-2.998	90	-1.508	127	-0.019	164	1 471	201	2.960	238	4.450
17	-4.447	54	-2.958	91	-1.468	128	0.021	165	1.511	202	3.001	239	4.490
18	-4.407	55	-2.918	92	-1.428	129	0.062	166	1.551	203	3.041	240	4.530
19	-4.367	56	-2.877	93	-1.388	130	0.102	167	1.592	204	3.081	241	4.571
20	-4.327	57	-2.837	94	-1.347	131	0.142	168	1.632	205	3.121	242	4.611
21	-4 286	58	-2.797	95	-1.307	132	0.182	169	1.672	206	3.162	243	4.651
22	-4.246	59	-2.757	96	-1.267	133	0.223	170	1.712	207	3.202	244	4.692
23	-4.206	60	-2.716	97	-1.227	134	0.263	171	1.753	208	3.242	245	4.732
24	-4.166	61	-2.676	98	-1.186	135	0.303	172	1.793	209	3.282	246	4.772
25	-4.125	62	-2 636	99	-1.146	136	0.343	173	1.833	210	3.323	247	4.812
26	-4.085	63	-2.596	100	-1.106	137	0.384	174	1.873	211	3.363	248	4.853
27	-4.045	64	-2.555	101	-1.066	138	0.424	175	1.914	212	3.403	249	4.893
28	-4.005	65	-2.515	102	-1.025	139	0.464	176	1.954	213	3.443	250	4.933
29	-3.964	66	-2.475	103	-0.985	140	0.504	177	1.994	214	3.484	251	4.973
30	-3.924	67	-2.434	104	-0.945	141	0.545	178	2.034	215	3.524	252	5 014
31	-3.884	68	-2.394	105	-0.905	142	0.585	179	2 075	216	3.564	253	5.054
32	-3.844	69	-2.354	106	-0.864	143	0.625	180	2.115	217	3.605	254	5.094
33	-3.803	70	-2.314	107	-0.824	144	0.666	181	2.155	218	3.645		
34	-3.763	71	-2.273	108	-0.784	145	0.706	182	2.195	219	3.685		
35	-3.723	72	-2.233	109	-0.744	146	0.746	183	2.236	220	3.725		
36	-3.683	73	-2.193	110	-0.703	147	0.786	184	2.276	221	3.766		
37	-3.642	74	-2.153	111	-0.663	148	0.827	185	2.316	222	3.806		

09/27/71
1 INSTALLATION DATE SEPT. 28,1960
FDAI SCS BODY RATE ROLL
CAL RANGE -50.6440 TO 51.0300

SC-113

HARDWARE CALIB. NO. SERIAL NO.
78764 01 10028AAB1039
80867 01 10028CAD1016
00

=21515



EQUATION COEFFICIENTS

A_0= -5.064 E 01
A_1= 2.033 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-5.064E 01
20% =-3.031E 01
40% =-9.974E 00
50% = 1.930E-01
60% = 1.036E 01
80% = 3.070E 01
100% = 5.103E 01

MEASUREMENT NO.
200CH3505R61

MEAS LOADING NO.
1201023 12 29

This is a multiple mode measurement. It is six of six options.
See FDIA event correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 200CH3505R61
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/28/60

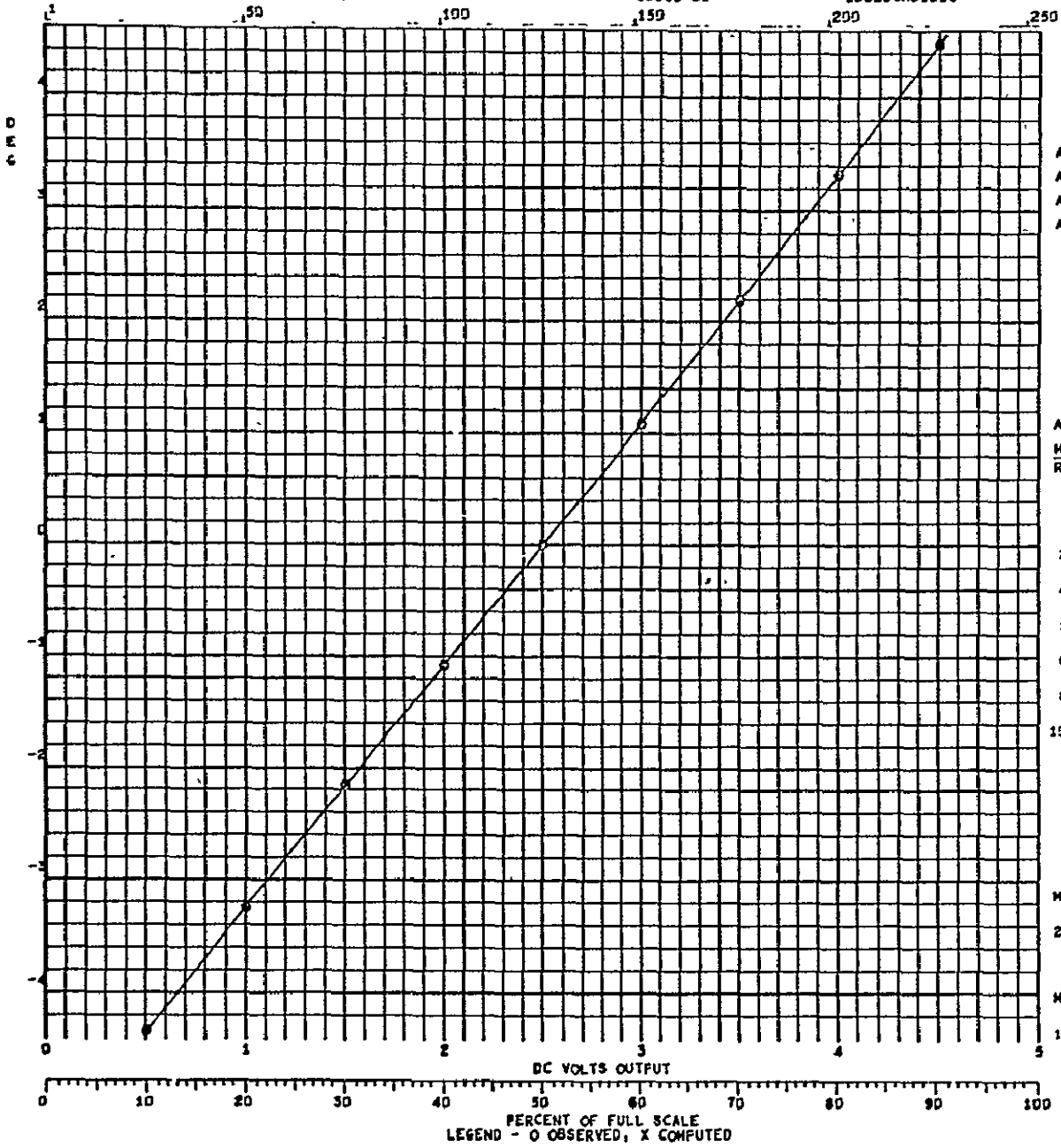
CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-50.644	38	-35.775	75	-20.905	112	-6.036	149	8.833	186	23.703	223	38.572
2	-50.242	39	-35.373	76	-20.503	113	-5.634	150	9.235	187	24.104	224	38.974
3	-49.840	40	-34.971	77	-20.102	114	-5.232	151	9.637	188	24.506	225	39.376
4	-49 438	41	-34.569	78	-19.700	115	-4.830	152	10.039	189	24.908	226	39.778
5	-49.036	42	-34.167	79	-19.298	116	-4.429	153	10.441	190	25.310	227	40.179
6	-48.635	43	-33.765	80	-18.896	117	-4.027	154	10.843	191	25.712	228	40.581
7	-48.233	44	-33.363	81	-18.494	118	-3.625	155	11.245	192	26.114	229	40.983
8	-47.831	45	-32.962	82	-18.092	119	-3.223	156	11.646	193	26.516	230	41.385
9	-47.429	46	-32.560	83	-17.690	120	-2.821	157	12 048	194	26.918	231	41.787
10	-47.027	47	-32.158	84	-17.288	121	-2.419	158	12.450	195	27.319	232	42.189
11	-46.625	48	-31.756	85	-16 887	122	-2.017	159	12.852	196	27.721	233	42.591
12	-46.223	49	-31.354	86	-16.485	123	-1.615	160	13.254	197	28.123	234	42.993
13	-45.821	50	-30.952	87	-16.083	124	-1.214	161	13.656	198	28.525	235	43.394
14	-45.420	51	-30.550	88	-15.681	125	-0.812	162	14.058	199	28.927	236	43.796
15	-45.018	52	-30.148	89	-15.279	126	-0.410	163	14.460	200	29.329	237	44.198
16	-44.616	53	-29.747	90	-14.877	127	-0.008	164	14.861	201	29.731	238	44.600
17	-44.214	54	-29.345	91	-14.475	128	0.394	165	15.263	202	30.133	239	45.002
18	-43.812	55	-28.943	92	-14.073	129	0.796	166	15.665	203	30.534	240	45.404
19	-43.410	56	-28.541	93	-13.672	130	1.198	167	16.067	204	30 936	241	45.806
20	-43.008	57	-28.139	94	-13 270	131	1.600	168	16.469	205	31.338	242	46.208
21	-42.606	58	-27.737	95	-12.868	132	2.001	169	16.871	206	31.740	243	46.609
22	-42.205	59	-27.335	96	-12.466	133	2.403	170	17.273	207	32.142	244	47.011
23	-41.803	60	-26 933	97	-12.064	134	2.805	171	17.675	208	32.544	245	47.413
24	-41.401	61	-26.532	98	-11.662	135	3.207	172	18.076	209	32.946	246	47.815
25	-40.999	62	-26.130	99	-11.260	136	3.609	173	18.478	210	33.348	247	48.217
26	-40.597	63	-25.728	100	-10.859	137	4.011	174	18.880	211	33.749	248	48.619
27	-40.195	64	-25.326	101	-10.457	138	4.413	175	19.282	212	34.151	249	49.021
28	-39.793	65	-24.924	102	-10.055	139	4.815	176	19.684	213	34.553	250	49.423
29	-39.392	66	-24.522	103	-9.653	140	5.216	177	20.086	214	34.955	251	49.824
30	-38.990	67	-24.120	104	-9.251	141	5.618	178	20.488	215	35.357	252	50.226
31	-38.588	68	-23.718	105	-8.849	142	6.020	179	20.889	216	35.759	253	50.628
32	-38.186	69	-23.317	106	-8.447	143	6.422	180	21 291	217	36.161	254	51.030
33	-37.784	70	-22.915	107	-8.045	144	6.824	181	21.693	218	36.563		
34	-37.382	71	-22.513	108	-7.644	145	7.226	182	22.095	219	36.964		
35	-36.980	72	-22.111	109	-7.242	146	7.628	183	22.497	220	37.366		
36	-36.578	73	-21.709	110	-6.840	147	8.030	184	22.899	221	37.768		
37	-36.177	74	-21.307	111	-6.438	148	8.431	185	23.301	222	38.170		

09/27/71
3 INSTALLATION DATE NOV. 5,1969
GIMBAL POSITION PITCH 1 OR 2
CAL RANGE -5.46495 TO 5.68800

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81395 01	001690000223
81340 01	10026BAG1017
80868 01	10026CAD1016

#21515



EQUATION COEFFICIENTS

A_0= -5.465 E 00
A_1= 2.274 E 00
A_2= -6.122 E-02
A_3= 1.049 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% =-5.465E 00
20% =-3.241E 00
40% =-1.077E 00
50% = 2.420E-03
60% = 1.091E 00
80% = 3.325E 00
100% = 5.688E 00

MEASUREMENT NO.
200CH3517H01

MEAS LOADING NO.
1201524 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

GIMBAL POSITION PITCH 1 OR 2

MEASUREMENT NO. 2000435178101
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001892000223
SIGNAL CONDITIONER SERIAL NO. 10028BAG1917
AUXILIARY COMPONENT SERIAL NO. 10028CAC1916
CALIBRATION DATE 11/05/69

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.465	38	-3.830	75	-2.237	112	-0.659	149	0.926	186	2.545	223	4.221
2	-5.420	39	-3.787	76	-2.194	113	-0.617	150	0.970	187	2.589	224	4.268
3	-5.375	40	-3.743	77	-2.151	114	-0.574	151	1.013	188	2.634	225	4.314
4	-5.330	41	-3.700	78	-2.109	115	-0.532	152	1.056	189	2.678	226	4.360
5	-5.286	42	-3.657	79	-2.066	116	-0.489	153	1.099	190	2.723	227	4.407
6	-5.241	43	-3.613	80	-2.023	117	-0.446	154	1.143	191	2.768	228	4.454
7	-5.196	44	-3.570	81	-1.981	118	-0.404	155	1.186	192	2.812	229	4.500
8	-5.151	45	-3.527	82	-1.938	119	-0.361	156	1.229	193	2.857	230	4.547
9	-5.107	46	-3.483	83	-1.895	120	-0.318	157	1.273	194	2.902	231	4.594
10	-5.062	47	-3.440	84	-1.853	121	-0.275	158	1.316	195	2.947	232	4.641
11	-5.018	48	-3.397	85	-1.810	122	-0.233	159	1.360	196	2.991	233	4.687
12	-4.973	49	-3.354	86	-1.767	123	-0.190	160	1.403	197	3.036	234	4.734
13	-4.929	50	-3.310	87	-1.725	124	-0.147	161	1.446	198	3.081	235	4.781
14	-4.884	51	-3.267	88	-1.682	125	-0.105	162	1.490	199	3.126	236	4.829
15	-4.840	52	-3.224	89	-1.639	126	-0.062	163	1.534	200	3.171	237	4.876
16	-4.796	53	-3.181	90	-1.597	127	-0.019	164	1.577	201	3.216	238	4.923
17	-4.752	54	-3.138	91	-1.554	128	0.024	165	1.621	202	3.261	239	4.970
18	-4.707	55	-3.095	92	-1.512	129	0.067	166	1.664	203	3.307	240	5.018
19	-4.663	56	-3.052	93	-1.469	130	0.109	167	1.708	204	3.352	241	5.065
20	-4.619	57	-3.009	94	-1.426	131	0.152	168	1.752	205	3.397	242	5.112
21	-4.575	58	-2.966	95	-1.384	132	0.195	169	1.796	206	3.442	243	5.160
22	-4.531	59	-2.923	96	-1.341	133	0.238	170	1.839	207	3.488	244	5.208
23	-4.487	60	-2.880	97	-1.299	134	0.281	171	1.883	208	3.533	245	5.255
24	-4.443	61	-2.837	98	-1.256	135	0.324	172	1.927	209	3.579	246	5.303
25	-4.399	62	-2.794	99	-1.213	136	0.367	173	1.971	210	3.624	247	5.351
26	-4.355	63	-2.751	100	-1.171	137	0.410	174	2.015	211	3.670	248	5.399
27	-4.311	64	-2.708	101	-1.128	138	0.453	175	2.059	212	3.715	249	5.447
28	-4.267	65	-2.665	102	-1.086	139	0.495	176	2.103	213	3.761	250	5.495
29	-4.223	66	-2.622	103	-1.043	140	0.538	177	2.147	214	3.807	251	5.543
30	-4.180	67	-2.579	104	-1.000	141	0.581	178	2.191	215	3.853	252	5.591
31	-4.136	68	-2.536	105	-0.958	142	0.625	179	2.235	216	3.899	253	5.640
32	-4.092	69	-2.494	106	-0.915	143	0.668	180	2.279	217	3.945	254	5.688
33	-4.048	70	-2.451	107	-0.873	144	0.711	181	2.323	218	3.991		
34	-4.005	71	-2.408	108	-0.830	145	0.754	182	2.368	219	4.037		
35	-3.961	72	-2.365	109	-0.787	146	0.797	183	2.412	220	4.083		
36	-3.918	73	-2.322	110	-0.745	147	0.840	184	2.456	221	4.129		
37	-3.874	74	-2.280	111	-0.702	148	0.883	185	2.501	222	4.175		

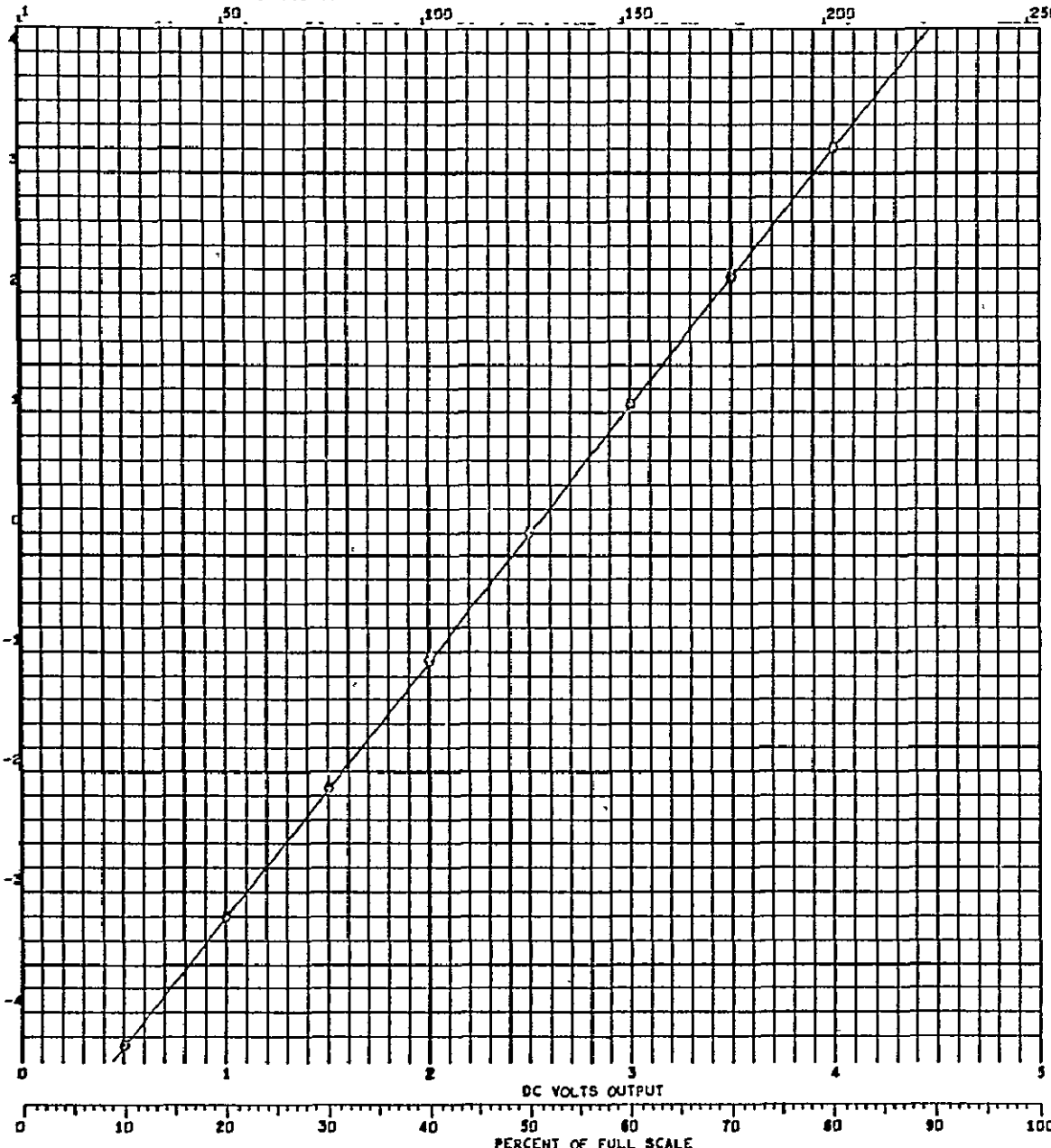
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09/27/71
1 INSTALLATION DATE NOV. 5,1969
GIMBAL POSITION YAW 1 OR 2
CAL RANGE -5.33473 TO 5.34664

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78777 01	001890000225
81341 01	10028BAG1017
80889 01	10028CAD1016

=Z1515



EQUATION COEFFICIENTS

A_0= -5.335 E 00

A_1= 2.136 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -5.335E 00

20% = -3.198E 00

40% = -1.062E 00

50% = 5.958E-03

60% = 1 074E 00

80% = 3 210E 00

100% = 5.347E 00

MEASUREMENT NO.

200CH3518H01

MEAS LOADING NO.

1201046 12 20

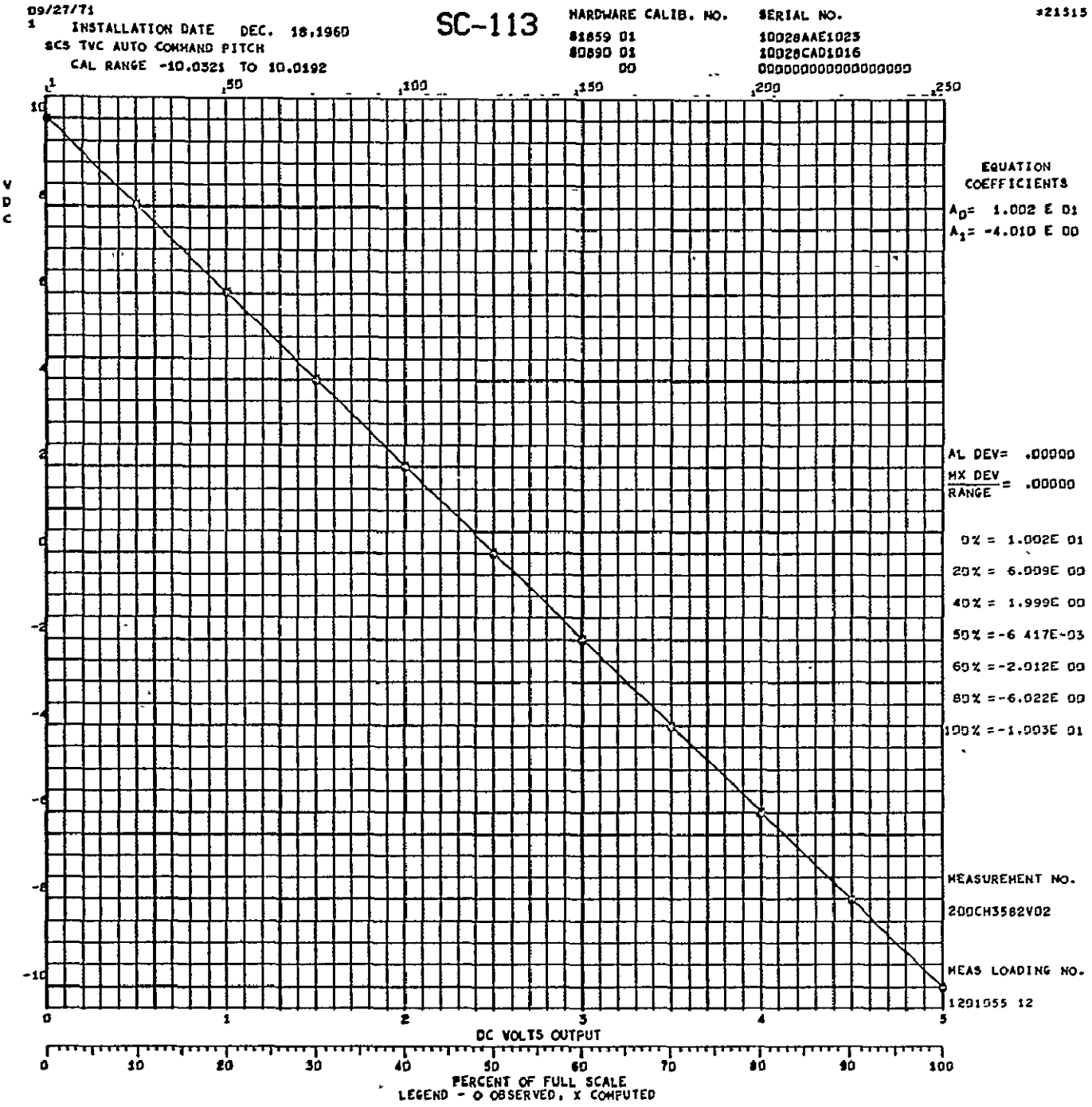
5 267

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

GIMBAL POSITION YAW 1 OR 2

MEASUREMENT NO. 2000H3518H01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001690000225
SIGNAL CONDITIONER SERIAL NO. 100288AG1017
AUXILIARY COMPONENT SERIAL NO 10028CAC1D16
CALIBRATION DATE 11/05/69

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.335	38	-3.773	75	-2.211	112	-0.648	149	0.914	186	2.476	223	4.038
2	-5.293	39	-3.730	76	-2.168	113	-0.606	150	0.956	187	2.518	224	4.080
3	-5.250	40	-3.688	77	-2.126	114	-0.564	151	0.998	188	2.560	225	4.122
4	-5.208	41	-3.646	78	-2.084	115	-0.522	152	1.040	189	2.602	226	4.165
5	-5.166	42	-3.604	79	-2.042	116	-0.480	153	1.083	190	2.645	227	4.207
6	-5.124	43	-3.562	80	-1.999	117	-0.437	154	1.125	191	2.687	228	4.249
7	-5.081	44	-3.519	81	-1.957	118	-0.395	155	1.167	192	2.729	229	4.291
8	-5.039	45	-3.477	82	-1.915	119	-0.353	156	1.209	193	2.771	230	4.333
9	-4.997	46	-3.435	83	-1.873	120	-0.311	157	1.251	194	2.814	231	4.376
10	-4.955	47	-3.393	84	-1.831	121	-0.268	158	1.294	195	2.856	232	4.418
11	-4.913	48	-3.350	85	-1.788	122	-0.226	159	1.336	196	2.898	233	4.460
12	-4.870	49	-3.308	86	-1.746	123	-0.184	160	1.378	197	2.940	234	4.502
13	-4.828	50	-3.266	87	-1.704	124	-0.142	161	1.420	198	2.982	235	4.544
14	-4.786	51	-3.224	88	-1.662	125	-0.100	162	1.463	199	3.025	236	4.587
15	-4.744	52	-3.182	89	-1.619	126	-0.057	163	1.505	200	3.067	237	4.629
16	-4.701	53	-3.139	90	-1.577	127	-0.015	164	1.547	201	3.109	238	4.671
17	-4.659	54	-3.097	91	-1.535	128	0.027	165	1.589	202	3.151	239	4.713
18	-4.617	55	-3.055	92	-1.493	129	0.069	166	1.631	203	3.193	240	4.756
19	-4.575	56	-3.013	93	-1.451	130	0.112	167	1.674	204	3.236	241	4.798
20	-4.533	57	-2.970	94	-1.408	131	0.154	168	1.716	205	3.278	242	4.840
21	-4.490	58	-2.928	95	-1.366	132	0.196	169	1.758	206	3.320	243	4.882
22	-4.448	59	-2.886	96	-1.324	133	0.238	170	1.800	207	3.362	244	4.924
23	-4.406	60	-2.844	97	-1.282	134	0.280	171	1.842	208	3.405	245	4.967
24	-4.364	61	-2.802	98	-1.239	135	0.325	172	1.885	209	3.447	246	5.009
25	-4.321	62	-2.759	99	-1.197	136	0.365	173	1.927	210	3.489	247	5.051
26	-4.279	63	-2.717	100	-1.155	137	0.407	174	1.969	211	3.531	248	5.093
27	-4.237	64	-2.675	101	-1.113	138	0.449	175	2.011	212	3.573	249	5.136
28	-4.195	65	-2.633	102	-1.071	139	0.491	176	2.054	213	3.616	250	5.178
29	-4.153	66	-2.591	103	-1.028	140	0.534	177	2.096	214	3.658	251	5.220
30	-4.110	67	-2.548	104	-0.986	141	0.576	178	2.138	215	3.700	252	5.262
31	-4.068	68	-2.506	105	-0.944	142	0.618	179	2.180	216	3.742	253	5.304
32	-4.026	69	-2.464	106	-0.902	143	0.660	180	2.222	217	3.785	254	5.347
33	-3.984	70	-2.422	107	-0.860	144	0.703	181	2.265	218	3.827		
34	-3.942	71	-2.379	108	-0.817	145	0.745	182	2.307	219	3.869		
35	-3.899	72	-2.337	109	-0.775	146	0.787	183	2.349	220	3.911		
36	-3.857	73	-2.295	110	-0.733	147	0.829	184	2.391	221	3.953		
37	-3.815	74	-2.253	111	-0.691	148	0.871	185	2.434	222	3.996		



The ordinate of this measurement is labeled in volts dc. One volt equals one degree for conversion purpose.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

SCS TVC AUTO COMMAND PITCH

MEASUREMENT NO 2000H3582V02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1025
SIGNAL CONDITIONER SERIAL NO. 10028CAD1916
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/16/60

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	10.019	38	7.087	75	4.154	112	1.222	149	-1.710	186	-4.643	223	-7.575
2	9.940	39	7.008	76	4.075	113	1.143	150	-1.790	187	-4.722	224	-7.654
3	9.861	40	6.928	77	3.996	114	1.064	151	-1.869	188	-4.801	225	-7.734
4	9.781	41	6.849	78	3.917	115	0.984	152	-1.948	189	-4.881	226	-7.813
5	9.702	42	6.770	79	3.837	116	0.905	153	-2.027	190	-4.960	227	-7.892
6	9.623	43	6.691	80	3.758	117	0.826	154	-2.107	191	-5.039	228	-7.971
7	9.544	44	6.611	81	3.679	118	0.746	155	-2.186	192	-5.118	229	-8.051
8	9.464	45	6.532	82	3.600	119	0.667	156	-2.265	193	-5.198	230	-8.130
9	9.385	46	6.453	83	3.520	120	0.588	157	-2.344	194	-5.277	231	-8.209
10	9.306	47	6.374	84	3.441	121	0.509	158	-2.424	195	-5.356	232	-8.288
11	9.227	48	6.294	85	3.362	122	0.429	159	-2.503	196	-5.435	233	-8.368
12	9.147	49	6.215	86	3.283	123	0.350	160	-2.582	197	-5.515	234	-8.447
13	9.068	50	6.136	87	3.203	124	0.271	161	-2.661	198	-5.594	235	-8.526
14	8.989	51	6.057	88	3.124	125	0.192	162	-2.741	199	-5.673	236	-8.606
15	8.910	52	5.977	89	3.045	126	0.112	163	-2.820	200	-5.752	237	-8.685
16	8.830	53	5.898	90	2.966	127	0.033	164	-2.899	201	-5.832	238	-8.764
17	8.751	54	5.819	91	2.886	128	-0.046	165	-2.978	202	-5.911	239	-8.843
18	8.672	55	5.740	92	2.807	129	-0.125	166	-3.058	203	-5.990	240	-8.923
19	8.593	56	5.660	93	2.728	130	-0.205	167	-3.137	204	-6.069	241	-9.002
20	8.513	57	5.581	94	2.649	131	-0.284	168	-3.216	205	-6.149	242	-9 081
21	8.434	58	5.502	95	2.569	132	-0.363	169	-3.295	206	-6.228	243	-9.160
22	8.355	59	5.423	96	2.490	133	-0.442	170	-3.375	207	-6.307	244	-9.240
23	8.276	60	5.343	97	2.411	134	-0.522	171	-3.454	208	-6.386	245	-9.319
24	8.196	61	5.264	98	2.332	135	-0.601	172	-3.533	209	-6.466	246	-9.398
25	8.117	62	5.185	99	2.252	136	-0.680	173	-3.612	210	-6.545	247	-9.477
26	8.038	63	5.105	100	2.173	137	-0.759	174	-3.692	211	-6.624	248	-9.557
27	7.959	64	5.026	101	2.094	138	-0.839	175	-3.771	212	-6.703	249	-9.636
28	7.879	65	4.947	102	2.015	139	-0.918	176	-3.850	213	-6.783	250	-9.715
29	7.800	66	4.868	103	1.935	140	-0.997	177	-3.930	214	-6.862	251	-9.794
30	7.721	67	4.788	104	1.856	141	-1.076	178	-4.009	215	-6.941	252	-9 874
31	7.642	68	4.709	105	1.777	142	-1.156	179	-4.088	216	-7.020	253	-9.953
32	7.562	69	4.630	106	1.698	143	-1.235	180	-4.167	217	-7.100	254	-10 032
33	7.483	70	4.551	107	1.618	144	-1.314	181	-4.247	218	-7.179		
34	7.404	71	4.471	108	1.539	145	-1.393	182	-4.326	219	-7.258		
35	7.325	72	4.392	109	1.460	146	-1.473	183	-4.405	220	-7.337		
36	7.245	73	4.313	110	1.381	147	-1.552	184	-4.484	221	-7.417		
37	7.166	74	4.234	111	1.301	148	-1.631	185	-4.564	222	-7.496		

12/06/71

1 INSTALLATION DATE DEC. 18,1960

SCS TVC AUTO COMMAND YAW

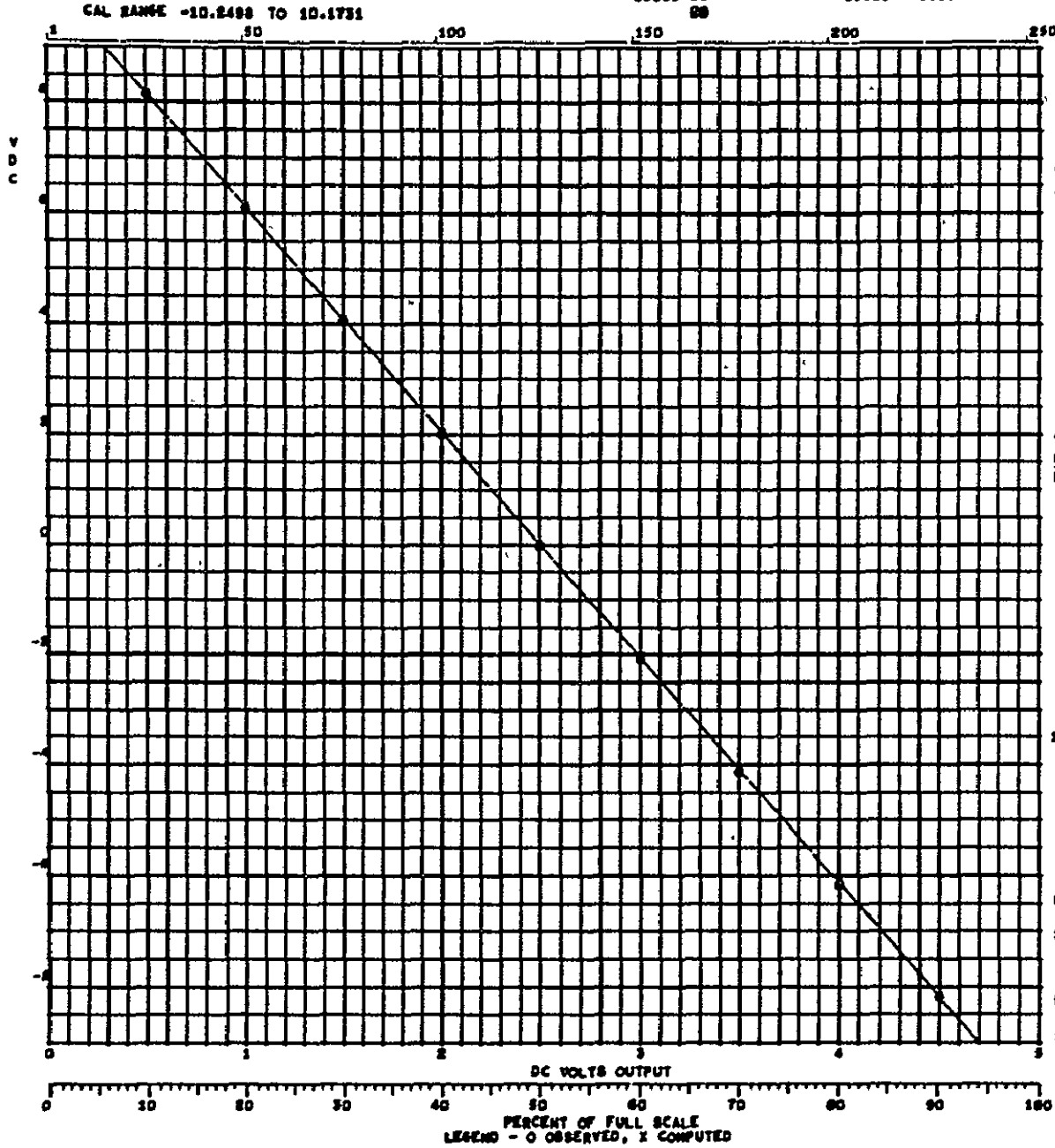
CAL RANGE -10.2498 TO 10.1731

SC-113

HARDWARE CALIB. NO. 81860 01 80691 01 00

SERIAL NO. 1006SAAK1083 1002SCAD1016

#11148



EQUATION COEFFICIENTS

A_0= 1.017 E 01

A_1= -4.085 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$= 0

0% = 1.017E 01

20% = 8.068E 00

40% = 2.004E 00

50% = -3.839E-02

60% = -2.081E 00

80% = -6.185E 00

100% = -1.023E 01

MEASUREMENT NO.

200CH3563VOS

MEAS LOADING NO.

1201053 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

SCS TVC AUTO Command YAW

MEASUREMENT NO. 2000S563V02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1000BAAE1083
SIGNAL CONDITIONER SERIAL NO. 1000SCAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/18/80

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	10.173	36	7.188	73	4.200	112	1.213	149	-1.774	186	-4.761	223	-7.747
2	10.092	39	7.106	76	4.119	113	1.132	150	-1.855	187	-4.841	224	-7.828
3	10.012	40	7.025	77	4.038	114	1.051	151	-1.935	188	-4.922	225	-7.909
4	9.931	41	6.944	78	3.957	115	0.971	152	-2.016	189	-5.003	226	-7.990
5	9.850	42	6.863	79	3.877	116	0.890	153	-2.097	190	-5.084	227	-8.070
6	9.769	43	6.783	80	3.796	117	0.809	154	-2.178	191	-5.164	228	-8.151
7	9.689	44	6.702	81	3.715	118	0.728	155	-2.258	192	-5.245	229	-8.232
8	9.608	45	6.621	82	3.634	119	0.648	156	-2.339	193	-5.326	230	-8.312
9	9.527	46	6.541	83	3.554	120	0.567	157	-2.420	194	-5.406	231	-8.393
10	9.447	47	6.460	84	3.473	121	0.486	158	-2.500	195	-5.487	232	-8.474
11	9.366	48	6.379	85	3.392	122	0.406	159	-2.581	196	-5.568	233	-8.555
12	9.285	49	6.298	86	3.312	123	0.325	160	-2.662	197	-5.649	234	-8.635
13	9.204	50	6.218	87	3.231	124	0.244	161	-2.743	198	-5.729	235	-8.716
14	9.124	51	6.137	88	3.150	125	0.163	162	-2.823	199	-5.810	236	-8.797
15	9.043	52	6.056	89	3.069	126	0.083	163	-2.904	200	-5.891	237	-8.878
16	8.962	53	5.975	90	2.988	127	0.002	164	-2.985	201	-5.972	238	-8.958
17	8.881	54	5.895	91	2.908	128	-0.079	165	-3.066	202	-6.052	239	-9.039
18	8.801	55	5.814	92	2.827	129	-0.159	166	-3.146	203	-6.133	240	-9.120
19	8.720	56	5.733	93	2.747	130	-0.240	167	-3.227	204	-6.214	241	-9.200
20	8.639	57	5.653	94	2.666	131	-0.321	168	-3.308	205	-6.294	242	-9.281
21	8.559	58	5.572	95	2.585	132	-0.402	169	-3.388	206	-6.375	243	-9.362
22	8.478	59	5.491	96	2.504	133	-0.482	170	-3.469	207	-6.456	244	-9.443
23	8.397	60	5.410	97	2.424	134	-0.563	171	-3.550	208	-6.537	245	-9.523
24	8.316	61	5.330	98	2.343	135	-0.644	172	-3.631	209	-6.617	246	-9.604
25	8.236	62	5.249	99	2.262	136	-0.725	173	-3.711	210	-6.698	247	-9.685
26	8.155	63	5.168	100	2.181	137	-0.805	174	-3.792	211	-6.779	248	-9.766
27	8.074	64	5.088	101	2.101	138	-0.886	175	-3.873	212	-6.859	249	-9.846
28	7.994	65	5.007	102	2.020	139	-0.967	176	-3.953	213	-6.940	250	-9.927
29	7.913	66	4.926	103	1.939	140	-1.047	177	-4.034	214	-7.021	251	-10.008
30	7.832	67	4.845	104	1.859	141	-1.128	178	-4.115	215	-7.102	252	-10.088
31	7.751	68	4.765	105	1.778	142	-1.209	179	-4.196	216	-7.182	253	-10.169
32	7.671	69	4.684	106	1.697	143	-1.290	180	-4.276	217	-7.263	254	-10.250
33	7.590	70	4.603	107	1.616	144	-1.370	181	-4.357	218	-7.344		
34	7.509	71	4.522	108	1.536	145	-1.451	182	-4.438	219	-7.425		
35	7.428	72	4.442	109	1.455	146	-1.532	183	-4.519	220	-7.505		
36	7.348	73	4.361	110	1.374	147	-1.612	184	-4.599	221	-7.586		
37	7.267	74	4.280	111	1.294	148	-1.693	185	-4.680	222	-7.667		

09/27/71

1 INSTALLATION DATE DEC. 18,1960

SCS TVC AUTO COMMAND YAW

V CAL RANGE -10.2498 TO 10.1731

SC-113

HARDWARE CALIB. NO.

81860 01

80891 01

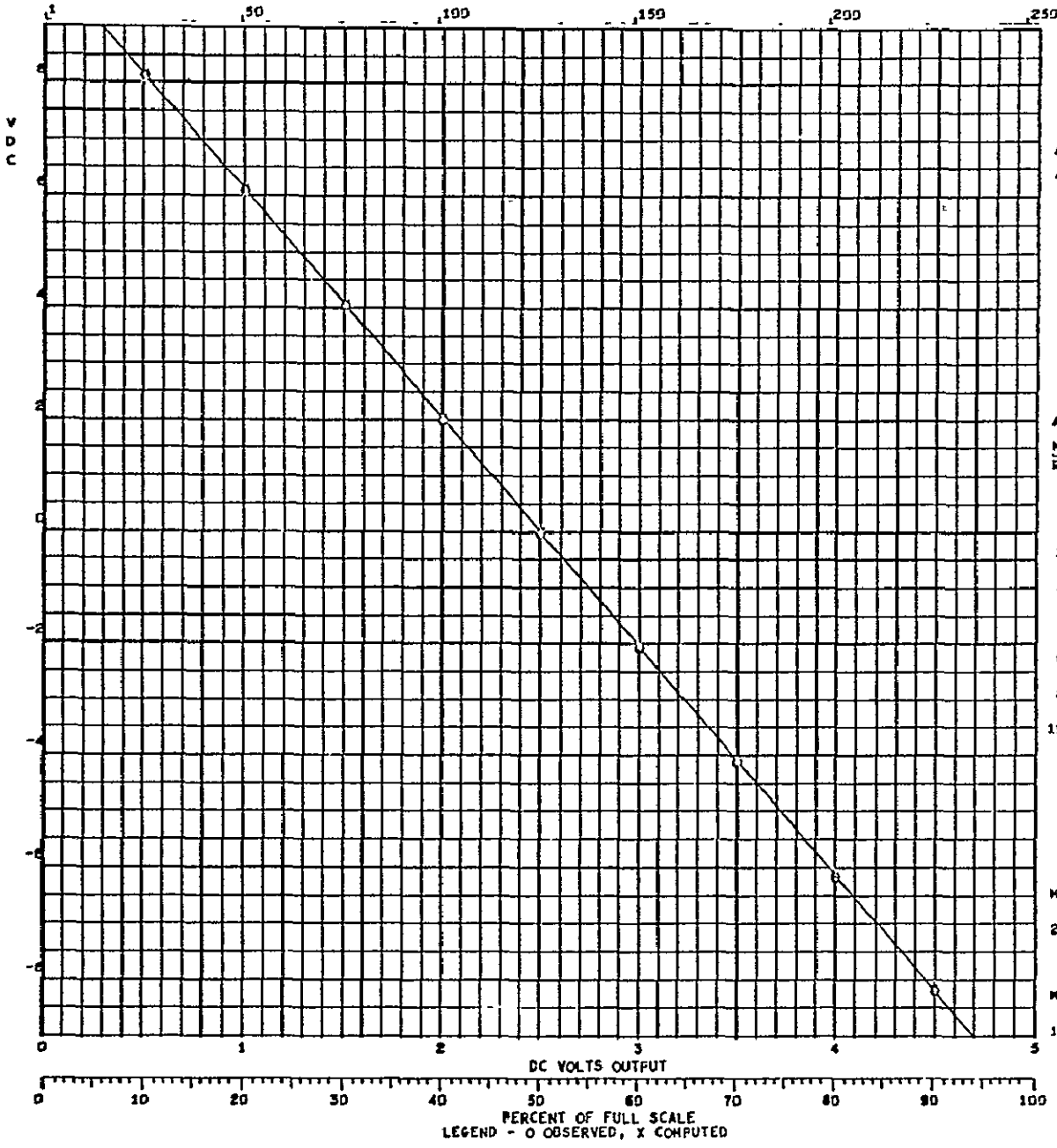
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SERIAL NO.

10028AAE1023

10028CAD1016

=21515



EQUATION COEFFICIENTS

A_5= 1.017 E 01

A_1= -4.085 E 00

AL DEV= 0

MX DEV / RANGE = 0

5% = 1.017E 01

25% = 6.088E 00

45% = 2.004E 00

55% = -3 839E-02

65% = -2.081E 00

85% = -6.165E 00

105% = -1.025E 01

MEASUREMENT NO.

2[illegible]CH3583V02

MEAS LOADING NO.

12[illegible]953 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

SCS TVC AUTO COMMAND YAW

MEASUREMENT NO. 2000X583V02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO. -
CALIBRATION DATE 12/18/60

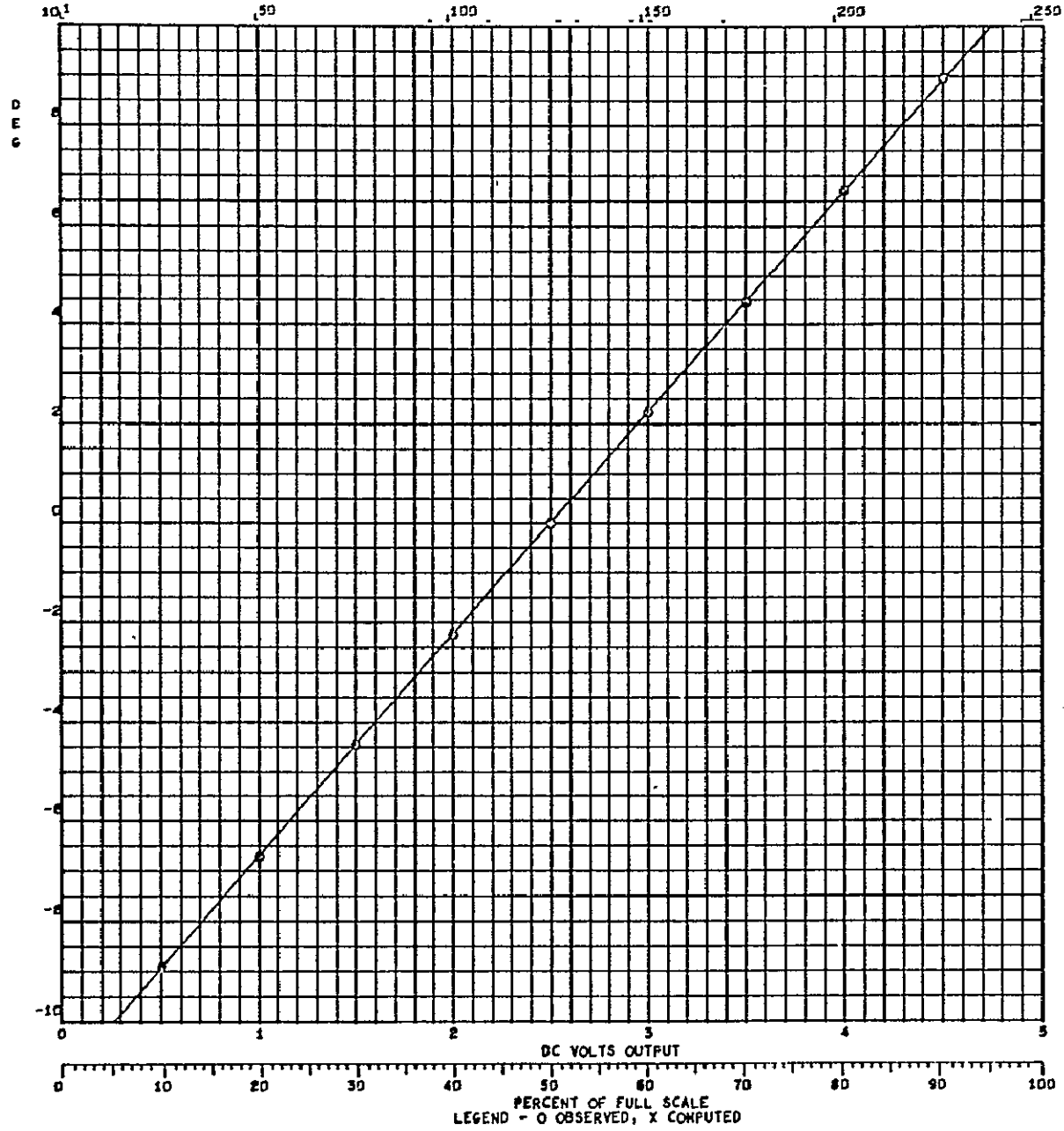
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	10.173	38	7.186	75	4.200	112	1.213	149	-1.774	186	-4.761	223	-7.747
2	10.092	39	7.156	76	4.119	113	1.132	150	-1.855	187	-4.841	224	-7.828
3	10.012	40	7.025	77	4.038	114	1.051	151	-1.935	188	-4.922	225	-7.909
4	9.931	41	6.944	78	3.957	115	0.971	152	-2.016	189	-5.003	226	-7.990
5	9.850	42	6.863	79	3.877	116	0.890	153	-2.097	190	-5.084	227	-8.070
6	9.769	43	6.783	80	3.796	117	0.809	154	-2.178	191	-5.164	228	-8.151
7	9.689	44	6.702	81	3.715	118	0.728	155	-2.258	192	-5.245	229	-8.232
8	9.608	45	6.621	82	3.634	119	0.648	156	-2.339	193	-5.326	230	-8.312
9	9.527	46	6.541	83	3.554	120	0.567	157	-2.420	194	-5.406	231	-8.393
10	9.447	47	6.460	84	3.473	121	0.486	158	-2.500	195	-5.487	232	-8.474
11	9.366	48	6.379	85	3.392	122	0.406	159	-2.581	196	-5.568	233	-8.555
12	9.285	49	6.298	86	3.312	123	0.325	160	-2.662	197	-5.649	234	-8.635
13	9.204	50	6.218	87	3.231	124	0.244	161	-2.743	198	-5.729	235	-8.716
14	9.124	51	6.137	88	3.150	125	0.163	162	-2.823	199	-5.810	236	-8.797
15	9.043	52	6.056	89	3.069	126	0.083	163	-2.904	200	-5.891	237	-8.878
16	8.962	53	5.975	90	2.989	127	0.002	164	-2.985	201	-5.972	238	-8.958
17	8.881	54	5.895	91	2.908	128	-0.079	165	-3.066	202	-6.052	239	-9.039
18	8.801	55	5.814	92	2.827	129	-0.159	166	-3.146	203	-6.133	240	-9.120
19	8.720	56	5.733	93	2.747	130	-0.240	167	-3.227	204	-6.214	241	-9.200
20	8.639	57	5.653	94	2.666	131	-0.321	168	-3.308	205	-6.294	242	-9.281
21	8.559	58	5.572	95	2.585	132	-0.402	169	-3.388	206	-6.375	243	-9.362
22	8.478	59	5.491	96	2.504	133	-0.482	170	-3.469	207	-6.456	244	-9.443
23	8.397	60	5.410	97	2.424	134	-0.563	171	-3.550	208	-6.537	245	-9.523
24	8.316	61	5.330	98	2.343	135	-0.644	172	-3.631	209	-6.617	246	-9.604
25	8.236	62	5.249	99	2.262	136	-0.725	173	-3.711	210	-6.698	247	-9.685
26	8.155	63	5.168	100	2.181	137	-0.805	174	-3.792	211	-6.779	248	-9.766
27	8.074	64	5.088	101	2.101	138	-0.886	175	-3.873	212	-6.859	249	-9.846
28	7.994	65	5.007	102	2.020	139	-0.967	176	-3.953	213	-6.940	250	-9.927
29	7.913	66	4.926	103	1.939	140	-1.047	177	-4.034	214	-7.021	251	-10.008
30	7.832	67	4.845	104	1.859	141	-1.128	178	-4.115	215	-7.102	252	-10.088
31	7.751	68	4.765	105	1.778	142	-1.209	179	-4.196	216	-7.182	253	-10.169
32	7.671	69	4.684	106	1.697	143	-1.290	180	-4.276	217	-7.263	254	-10.250
33	7.590	70	4.603	107	1.616	144	-1.370	181	-4.357	218	-7.344		
34	7.509	71	4.522	108	1.536	145	-1.451	182	-4.438	219	-7.425		
35	7.428	72	4.442	109	1.455	146	-1.532	183	-4.519	220	-7.505		
36	7.348	73	4.361	110	1.374	147	-1.612	184	-4.599	221	-7.586		
37	7.267	74	4.280	111	1.294	148	-1.693	185	-4.680	222	-7.667		

09/27/71
1 INSTALLATION DATE DEC. 18,1960
ROT CONTROL/HTVC PITCH CHD
CAL RANGE -11.171D TO 11.173D

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81861 01	10028AAE1023
81866 01	10028AAE1023
80892 01	10028CAD1016

#21515



EQUATION COEFFICIENTS
A_0= -1.117 E 01
A_1= 4.469 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.117E 01
20% = -6.702E 00
40% = -2.233E 00
50% = 9.980E-04
60% = 2.235E 00
80% = 6.704E 00
100% = 1.117E 01

MEASUREMENT NO.
200CH3585H12

MEAS LOADING NO.
5101096 12 20

RCS Control- This measurement is redundant with CH3585-22 (volts)

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL/MTVC PITCH CMD

MEASUREMENT NO. 2000H3585H12
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028AAE1023
AUXILIARY COMPONENT-SERIAL NO. 10028CAD1016
CALIBRATION DATE 12/18/60

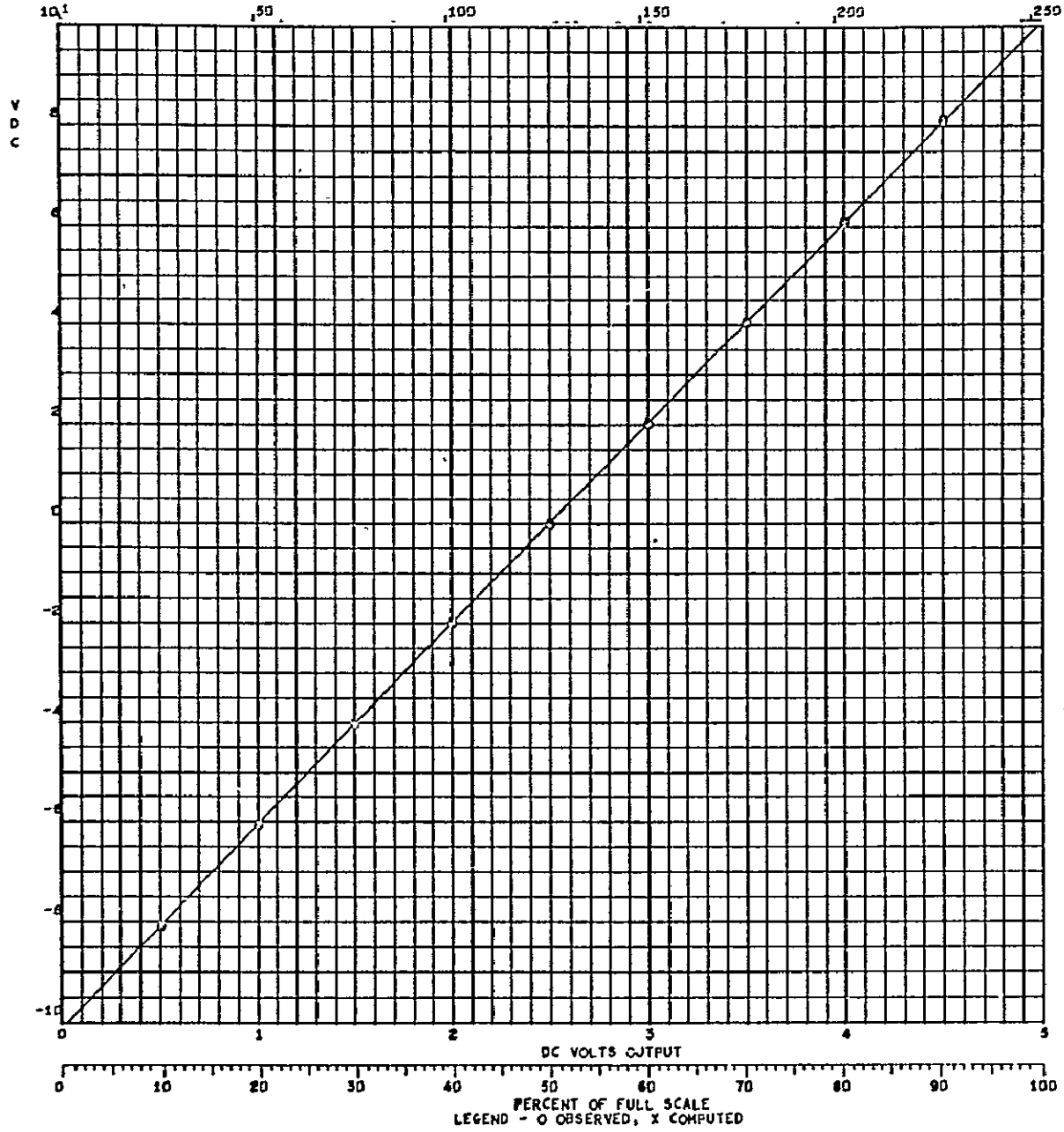
CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-11.171	38	-7.933	75	-4.636	112	-1.368	149	1.900	186	5.167	223	8.435
2	-11.083	39	-7.815	76	-4.547	113	-1.280	150	1.988	187	5.256	224	8.523
3	-10.994	40	-7.727	77	-4.459	114	-1.191	151	2.076	188	5.344	225	8.612
4	-10.906	41	-7.638	78	-4.371	115	-1.103	152	2.165	189	5.432	226	8.700
5	-10.818	42	-7.550	79	-4.282	116	-1.015	153	2.253	190	5.521	227	8.788
6	-10.729	43	-7.462	80	-4.194	117	-0.926	154	2.341	191	5.609	228	8.877
7	-10 641	44	-7.373	81	-4.106	118	-0.838	155	2.430	192	5.697	229	8.965
8	-10.553	45	-7.285	82	-4.017	119	-0.750	156	2.518	193	5.786	230	9.053
9	-10.464	46	-7.197	83	-3.929	120	-0.661	157	2.606	194	5.874	231	9.142
10	-10.376	47	-7.108	84	-3.841	121	-0.573	158	2.695	195	5.962	232	9.230
11	-10.288	48	-7.020	85	-3.752	122	-0.485	159	2.783	196	6.051	233	9.318
12	-10.199	49	-6.932	86	-3.664	123	-0.396	160	2.871	197	6.139	234	9.407
13	-10.111	50	-6.843	87	-3.576	124	-0.308	161	2.960	198	6.227	235	9.495
14	-10.023	51	-6.755	88	-3.487	125	-0 220	162	3.048	199	6.316	236	9.583
15	-9.935	52	-6.667	89	-3.399	126	-0.131	163	3.136	200	6.404	237	9.672
16	-9.846	53	-6.579	90	-3.311	127	-0.043	164	3.225	201	6.492	238	9.760
17	-9.758	54	-6.490	91	-3.223	128	0.045	165	3.313	202	6.581	239	9.848
18	-9.670	55	-6.402	92	-3.134	129	0.133	166	3.401	203	6.669	240	9.937
19	-9.581	56	-6 314	93	-3.046	130	0.222	167	3.489	204	6.757	241	10.025
20	-9.493	57	-6.225	94	-2.958	131	0.310	168	3.578	205	6.845	242	10.113
21	-9.405	58	-6.137	95	-2.869	132	0.398	169	3.666	206	6.934	243	10.201
22	-9.316	59	-6.049	96	-2.781	133	0.487	170	3.754	207	7.022	244	10.290
23	-9.228	60	-5.960	97	-2.693	134	0.575	171	3.843	208	7.110	245	10.378
24	-9.140	61	-5.872	98	-2.604	135	0.663	172	3.931	209	7.199	246	10.466
25	-9.051	62	-5.784	99	-2.516	136	0.752	173	4.019	210	7.287	247	10.555
26	-8.963	63	-5.695	100	-2.428	137	0.840	174	4.108	211	7.375	248	10.643
27	-8.875	64	-5.607	101	-2.339	138	0.928	175	4.196	212	7.464	249	10.731
28	-8.786	65	-5.519	102	-2.251	139	1.017	176	4.284	213	7.552	250	10.820
29	-8.698	66	-5.430	103	-2.163	140	1.105	177	4.373	214	7.640	251	10.908
30	-8.610	67	-5.342	104	-2.074	141	1.193	178	4.461	215	7.729	252	10.996
31	-8.521	68	-5.254	105	-1.986	142	1.282	179	4.549	216	7.817	253	11.085
32	-8.433	69	-5.165	106	-1.898	143	1.370	180	4.638	217	7.905	254	11.173
33	-8.345	70	-5.077	107	-1.809	144	1.458	181	4.726	218	7.994		
34	-8.257	71	-4.989	108	-1.721	145	1.547	182	4.814	219	8.082		
35	-8.168	72	-4.901	109	-1.633	146	1.635	183	4.903	220	8.170		
36	-8.080	73	-4.812	110	-1.545	147	1.723	184	4.991	221	8.259		
37	-7.992	74	-4.724	111	-1.456	148	1.811	185	5.079	222	8.347		

09/27/71
1 INSTALLATION DATE DEC. 18,1960
ROT CONTROL/MTVC PITCH CMD
CAL RANGE -10.1085 TO 10.1203

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81662 01	10028AAE1023
80893 01	10028CAD1016
00	

#21515



EQUATION COEFFICIENTS

A_0= -1.011 E 01
A_1= 4.047 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-1.011E 01
20% =-6.062E 00
40% =-2.015E 00
50% = 8.902E-03
60% = 2.032E 00
80% = 6.079E 00
100% = 1.013E 01

MEASUREMENT NO
200CH3585H22

MEAS LOADING NO.
5101096 12 20

MTVC Control - This measurement is redundant with CH3585 - 11 (deg.)

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL/HTVC PITCH CHO

MEASUREMENT NO. 2000H3585H22
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/18/60

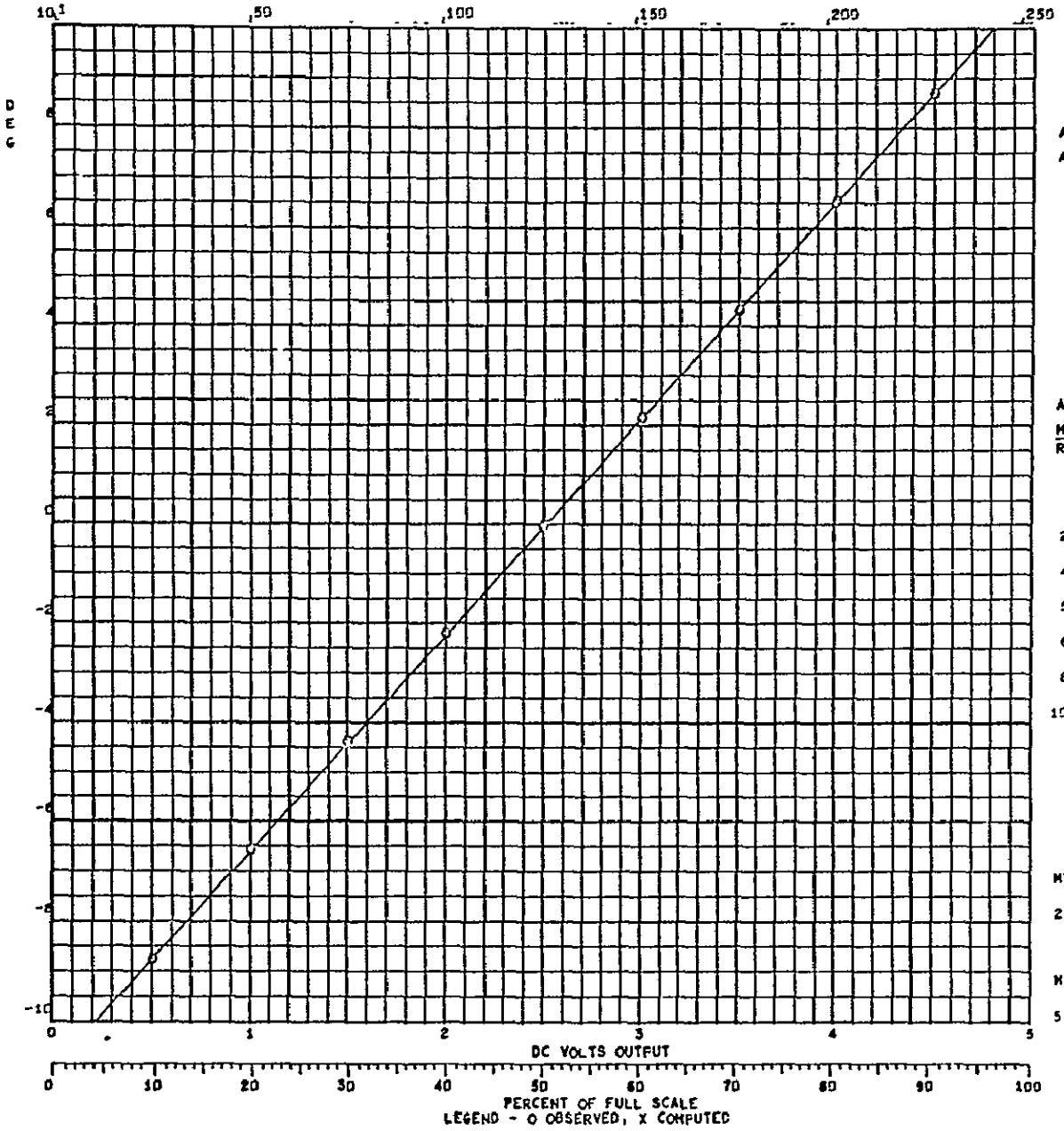
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-10.108	38	-7.149	75	-4.190	112	-1.231	149	1.728	186	4.688	223	7.647
2	-10.028	39	-7.069	76	-4.110	113	-1.151	150	1.808	187	4.768	224	7.727
3	-9.948	40	-6.989	77	-4.030	114	-1.071	151	1.888	188	4.848	225	7.807
4	-9.869	41	-6.909	78	-3.950	115	-0.991	152	1.968	189	4.928	226	7.887
5	-9.789	42	-6.829	79	-3.870	116	-0.911	153	2.048	190	5.008	227	7.967
6	-9.709	43	-6.749	80	-3.790	117	-0.831	154	2.128	191	5.088	228	8.047
7	-9.629	44	-6.669	81	-3.710	118	-0.751	155	2.208	192	5.168	229	8.127
8	-9.549	45	-6.589	82	-3.630	119	-0.671	156	2.288	193	5.248	230	8.207
9	-9.469	46	-6.509	83	-3.550	120	-0.591	157	2.368	194	5.328	231	8.287
10	-9.389	47	-6.429	84	-3.470	121	-0.511	158	2.448	195	5.407	232	8.367
11	-9.309	48	-6.349	85	-3.390	122	-0.431	159	2.528	196	5.487	233	8 447
12	-9.229	49	-6.269	86	-3.310	123	-0.351	160	2.608	197	5.567	234	8.527
13	-9.149	50	-6.189	87	-3.230	124	-0.271	161	2.688	198	5.647	235	8.607
14	-9.069	51	-6.110	88	-3.150	125	-0.191	162	2.768	199	5.727	236	8.687
15	-8.989	52	-6.030	89	-3.070	126	-0.111	163	2.848	200	5.807	237	8.767
16	-8.909	53	-5.950	90	-2.990	127	-0.031	164	2.928	201	5.887	238	8.847
17	-8.829	54	-5.870	91	-2.910	128	0.049	165	3.008	202	5.967	239	8.927
18	-8.749	55	-5.790	92	-2.830	129	0.129	166	3.088	203	6.047	240	9.007
19	-8.669	56	-5.710	93	-2.750	130	0.209	167	3.168	204	6.127	241	9.087
20	-8.589	57	-5.630	94	-2.670	131	0.289	168	3.248	205	6.207	242	9.167
21	-8.509	58	-5.550	95	-2.590	132	0.369	169	3.328	206	6.287	243	9 246
22	-8.429	59	-5.470	96	-2.510	133	0.449	170	3.408	207	6.367	244	9.326
23	-8.349	60	-5.390	97	-2.430	134	0.529	171	3.488	208	6.447	245	9.406
24	-8.269	61	-5.310	98	-2.350	135	0.609	172	3.568	209	6.527	246	9.486
25	-8.189	62	-5.230	99	-2.271	136	0.689	173	3.648	210	6.607	247	9.566
26	-8.109	63	-5.150	100	-2.191	137	0.769	174	3.728	211	6.687	248	9.646
27	-8.029	64	-5.070	101	-2.111	138	0.849	175	3.808	212	6.767	249	9.726
28	-7.949	65	-4.990	102	-2.031	139	0.929	176	3.888	213	6.847	250	9.806
29	-7.869	66	-4.910	103	-1.951	140	1.009	177	3.968	214	6.927	251	9.886
30	-7.789	67	-4.830	104	-1.871	141	1.089	178	4.048	215	7.007	252	9.966
31	-7.709	68	-4.750	105	-1.791	142	1.169	179	4.128	216	7.087	253	10.046
32	-7.629	69	-4.670	106	-1.711	143	1.249	180	4.208	217	7.167	254	10.126
33	-7.549	70	-4.590	107	-1.631	144	1.329	181	4.288	218	7.247		
34	-7.469	71	-4.510	108	-1.551	145	1.409	182	4.368	219	7.327		
35	-7.389	72	-4.430	109	-1.471	146	1.489	183	4.448	220	7.407		
36	-7.309	73	-4.350	110	-1.391	147	1.568	184	4.528	221	7.487		
37	-7.229	74	-4.270	111	-1.311	148	1.648	185	4.608	222	7.567		

09/27/71

1 INSTALLATION DATE DEC. 18,1960
ROT CONTROL/HTVC YAW CMD
CAL RANGE -10.9311 TO 10.9026

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81863 01	10028AAE1023
81867 01	10028AAE1023
80894 01	10028CAD1016



EQUATION COEFFICIENTS

A_0= -1.093 E 01
A_1= 4.367 E 00

AL DEV= 0
MK DEV / RANGE = 0

0% = -1.093E 01
20% = -6.564E 00
40% = -2.197E 00
50% = -1.410E-02
60% = 2.169E 00
80% = 6.536E 00
100% = 1.090E 01

MEASUREMENT NO.
20DCH3506H12

MEAS LOADING NO
5101125 12 20

RCS Control - This measurement is redundant with CH3586-22 (volts)

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL/NTVC YAW CMD

MEASUREMENT NO. 2000H358GH12
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028AAE1023
AUXILIARY-COMPONENT-SERIAL NO. 10028CAD1016
CALIBRATION DATE 12/18/60

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-10.931	38	-7.738	75	-4.545	112	-1.352	149	1.841	186	5.034	223	8.228
2	-10.845	39	-7.652	76	-4.459	113	-1.265	150	1.928	187	5.121	224	8.314
3	-10.758	40	-7.565	77	-4.372	114	-1.179	151	2.014	188	5.207	225	8.400
4	-10 672	41	-7.479	78	-4.286	115	-1.093	152	2.100	189	5.293	226	8.486
5	-10.586	42	-7.393	79	-4.200	116	-1.007	153	2.187	190	5.380	227	8.573
6	-10.500	43	-7.306	80	-4.113	117	-0.920	154	2.273	191	5.466	228	8.659
7	-10.413	44	-7.220	81	-4.027	118	-0.834	155	2.359	192	5.552	229	8.745
8	-10.327	45	-7.134	82	-3.941	119	-0.748	156	2.445	193	5.639	230	8.832
9	-10.241	46	-7.048	83	-3.854	120	-0.661	157	2.532	194	5.725	231	8.918
10	-10.154	47	-6.961	84	-3.768	121	-0.575	158	2,618	195	5 811	232	9.004
11	-10.068	48	-6.875	85	-3.682	122	-0.489	159	2.704	196	5.897	233	9.091
12	-9.982	49	-6.789	86	-3.596	123	-0.402	160	2.791	197	5.984	234	9.177
13	-9.895	50	-6.702	87	-3.509	124	-0.316	161	2.877	198	6.070	235	9.263
14	-9.809	51	-6.616	88	-3.423	125	-0.230	162	2.963	199	6.156	236	9.349
15	-9.723	52	-6.530	89	-3.337	126	-0.144	163	3.050	200	6.243	237	9.436
16	-9.637	53	-6.443	90	-3.250	127	-0.057	164	3.136	201	6.329	238	9.522
17	-9.550	54	-6.357	91	-3.164	128	0.029	165	3.222	202	6.415	239	9.608
18	-9.464	55	-6.271	92	-3.078	129	0.115	166	3.308	203	6.502	240	9.695
19	-9.378	56	-6.185	93	-2.991	130	0.202	167	3.395	204	6.588	241	9.781
20	-9.291	57	-6.098	94	-2.905	131	0.288	168	3.481	205	6.674	242	9.867
21	-9.205	58	-6.012	95	-2.819	132	0.374	169	3.567	206	6.760	243	9.954
22	-9.119	59	-5.926	96	-2.733	133	0.461	170	3.654	207	6.847	244	10 040
23	-9.032	60	-5.839	97	-2.646	134	0.547	171	3.740	208	6.933	245	10.126
24	-8.946	61	-5.753	98	-2.560	135	0.633	172	3.826	209	7.019	246	10.212
25	-8.860	62	-5.667	99	-2.474	136	0.719	173	3.913	210	7.106	247	10.299
26	-8.774	63	-5.580	100	-2.387	137	0.806	174	3.999	211	7.192	248	10.385
27	-8.687	64	-5.494	101	-2.301	138	0.892	175	4.085	212	7.278	249	10.471
28	-8.601	65	-5.408	102	-2.215	139	0.978	176	4.171	213	7.365	250	10.558
29	-8.515	66	-5.322	103	-2.128	140	1.065	177	4.258	214	7.451	251	10 644
30	-8.428	67	-5.235	104	-2.042	141	1.151	178	4.344	215	7.537	252	10.730
31	-8.342	68	-5.149	105	-1.956	142	1.237	179	4.430	216	7.623	253	10 817
32	-8.256	69	-5.063	106	-1.870	143	1.324	180	4.517	217	7.710	254	10.903
33	-8.169	70	-4.976	107	-1.783	144	1.410	181	4.603	218	7.796		
34	-8.083	71	-4.890	108	-1.697	145	1.496	182	4.689	219	7.882		
35	-7.997	72	-4.804	109	-1.611	146	1.582	183	4.776	220	7.969		
36	-7.911	73	-4.717	110	-1.524	147	1.669	184	4.862	221	8 055		
37	-7.824	74	-4.631	111	-1.438	148	1.755	185	4.948	222	8.141		

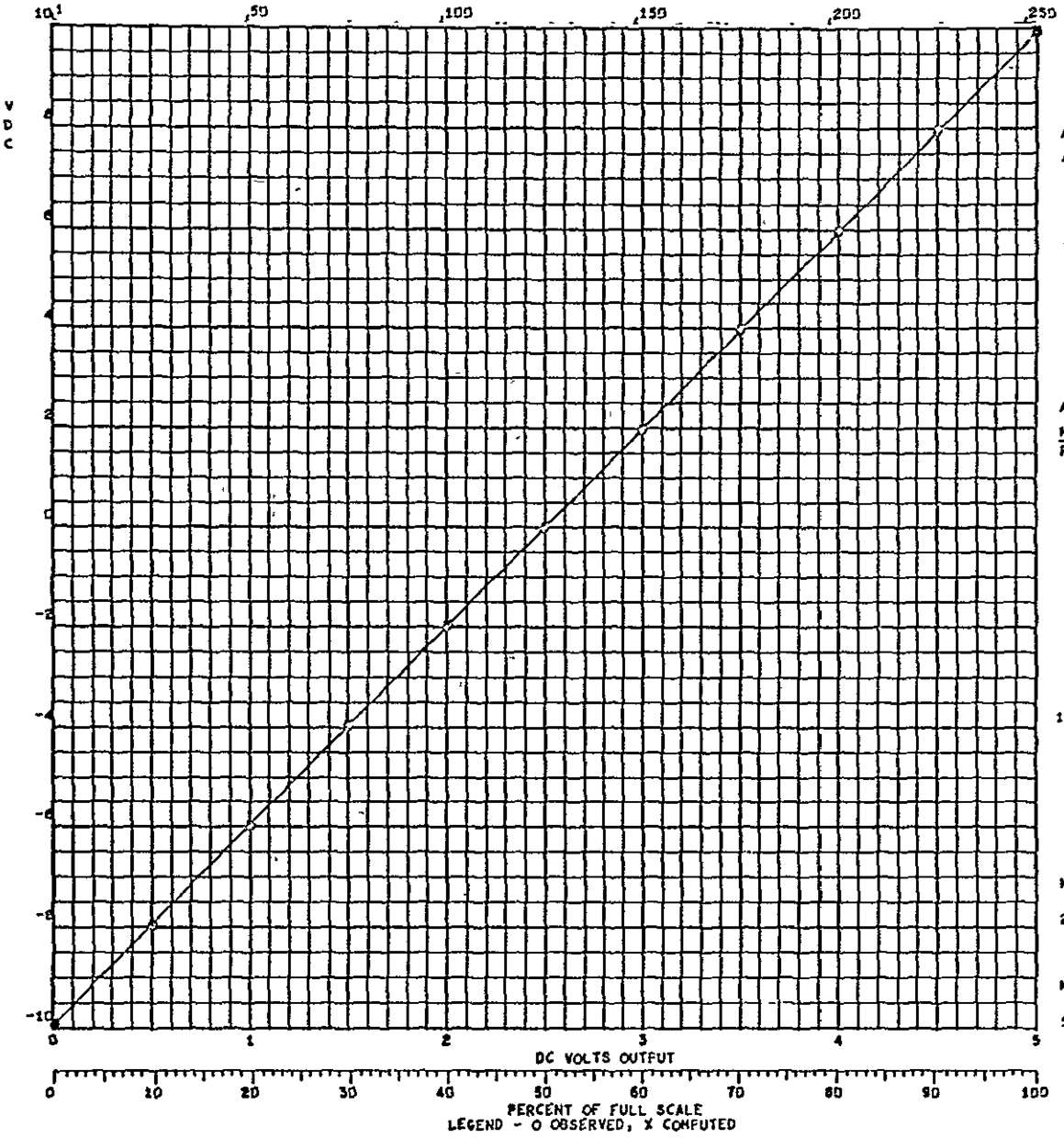
09/27/71
1 INSTALLATION DATE DEC. 18,1960
ROT CONTROL/MTVC YAW CMD
CAL RANGE -9.92691 TO 9.93325

SC-113

HARDWARE CALIB. NO.
81864 01
80895 01
00

SERIAL NO.
10028AAE1023
10028CAD1016

#21515



EQUATION COEFFICIENTS
A_0= -9.927 E 00
A_1= 3.972 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-9.927E 00
20% =-5.955E 00
40% =-1.983E 00
50% = 3.177E-03
60% = 1.989E 00
80% = 5.961E 00
100% = 9.933E 00

MEASUREMENT NO.
200CH3586H22

MEAS LOADING NO.
5101125 12 2U

MTVC Control- This measurement is redundant with CH3586-12 (deg)

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL/MTVC YAW CMD

MEASUREMENT NO. 200CM3586H22
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028CAD1016
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/18/80

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-9.927	38	-7.022	75	-4.118	112	-1.214	149	1.691	186	4.595	223	7.500
2	-9.848	39	-6.944	76	-4.040	113	-1.135	150	1.769	187	4.674	224	7.578
3	-9.770	40	-6.865	77	-3.961	114	-1.057	151	1.848	188	4.752	225	7.657
4	-9.691	41	-6.787	78	-3.883	115	-0.978	152	1.926	189	4.831	226	7.735
5	-9.613	42	-6.708	79	-3.804	116	-0.900	153	2.005	190	4.909	227	7.814
6	-9.534	43	-6.630	80	-3.726	117	-0.821	154	2.083	191	4.988	228	7.892
7	-9.456	44	-6.551	81	-3.647	118	-0.743	155	2.162	192	5.066	229	7.971
8	-9.377	45	-6.473	82	-3.569	119	-0.664	156	2.240	193	5.145	230	8.049
9	-9.299	46	-6.394	83	-3.490	120	-0.586	157	2.319	194	5.223	231	8.128
10	-9.220	47	-6.316	84	-3.412	121	-0.507	158	2.397	195	5.302	232	8.206
11	-9.142	48	-6.237	85	-3.333	122	-0.429	159	2.476	196	5.380	233	8.285
12	-9.063	49	-6.159	86	-3.255	123	-0.350	160	2.554	197	5.459	234	8.363
13	-8.985	50	-6.080	87	-3.176	124	-0.272	161	2.633	198	5.537	235	8.442
14	-8.906	51	-6.002	88	-3.098	125	-0.193	162	2.711	199	5.616	236	8.520
15	-8.828	52	-5.923	89	-3.019	126	-0.115	163	2.790	200	5.694	237	8.599
16	-8.749	53	-5.845	90	-2.941	127	-0.036	164	2.868	201	5.773	238	8.677
17	-8.671	54	-5.766	91	-2.862	128	0.042	165	2.947	202	5.851	239	8.756
18	-8.592	55	-5.688	92	-2.784	129	0.121	166	3.025	203	5.930	240	8.834
19	-8.514	56	-5.609	93	-2.705	130	0.199	167	3.104	204	6.008	241	8.913
20	-8.435	57	-5.531	94	-2.627	131	0.278	168	3.182	205	6.087	242	8.991
21	-8.357	58	-5.452	95	-2.548	132	0.356	169	3.261	206	6.165	243	9.070
22	-8.278	59	-5.374	96	-2.470	133	0.435	170	3.339	207	6.244	244	9.148
23	-8.200	60	-5.295	97	-2.391	134	0.513	171	3.418	208	6.322	245	9.227
24	-8.121	61	-5.217	98	-2.313	135	0.592	172	3.496	209	6.401	246	9.305
25	-8.043	62	-5.138	99	-2.234	136	0.670	173	3.575	210	6.479	247	9.384
26	-7.964	63	-5.060	100	-2.156	137	0.749	174	3.653	211	6.558	248	9.462
27	-7.886	64	-4.981	101	-2 077	138	0 827	175	3.732	212	6.636	249	9.541
28	-7.807	65	-4.903	102	-1.999	139	0.906	176	3.810	213	6.715	250	9.619
29	-7.729	66	-4.824	103	-1.920	140	0.984	177	3.889	214	6.793	251	9.698
30	-7.650	67	-4.746	104	-1.842	141	1.063	178	3.967	215	6.872	252	9.776
31	-7.572	68	-4.667	105	-1.763	142	1.141	179	4.046	216	6.950	253	9.855
32	-7.493	69	-4.589	106	-1.685	143	1.220	180	4.124	217	7.029	254	9.933
33	-7.415	70	-4.511	107	-1.606	144	1.298	181	4.203	218	7.107		
34	-7.336	71	-4.432	108	-1.528	145	1.377	182	4.281	219	7.186		
35	-7.258	72	-4.354	109	-1.449	146	1.455	183	4.360	220	7.264		
36	-7.179	73	-4.275	110	-1.371	147	1.534	184	4.438	221	7.343		
37	-7.101	74	-4.197	111	-1.292	148	1.612	185	4.517	222	7.421		

09/27/71

INSTALLATION DATE DEC. 16,1960

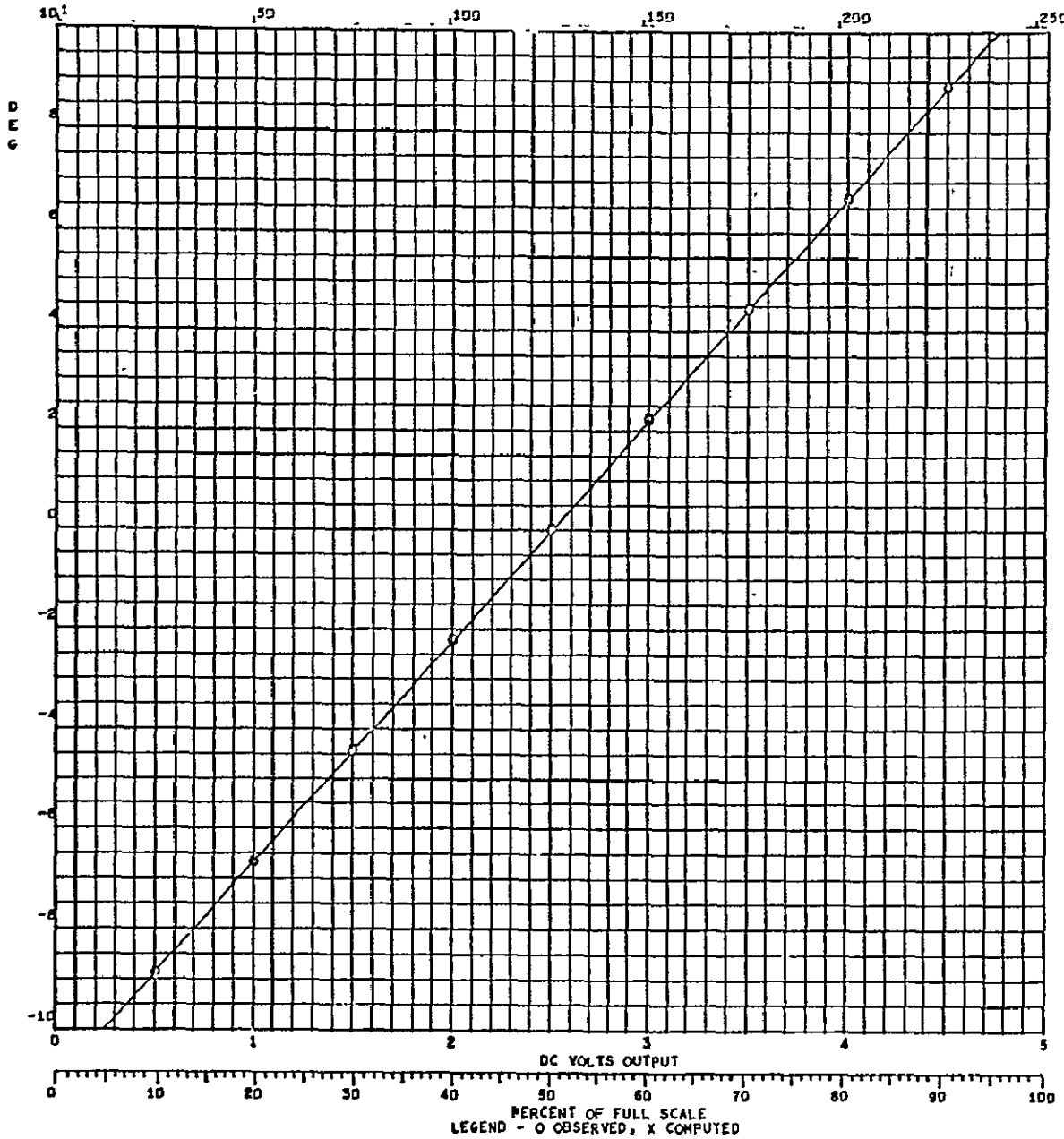
ROT CONTROL ROLL CHD

CAL RANGE -11.0963 TO 11.1248

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81865 01	10028AAE1023
81868 01	10028AAE1023
80896 01	10028CAD1016

#21515



EQUATION COEFFICIENTS

A_0= -1.110 E 01

A_1= 4.444 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.110E 01

20% = -6 652E 00

40% = -2.208E 00

50% = 1.422E-02

60% = 2.236E 00

80% = 6.681E 00

100% = 1 112E 01

MEASUREMENT NO.

200CH3587H02

MEAS LOADING NO.

5101126 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL ROLL CMD

MEASUREMENT NO. 2000H3587H02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028AAE1023
AUXILIARY COMPONENT SERIAL NO. 10028CAC1016
CALIBRATION DATE 12/18/80

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-11.096	38	-7.847	75	-4.597	112	-1.347	149	1.903	186	5.152	223	8.402
2	-11.008	39	-7.759	76	-4.509	113	-1.259	150	1.990	187	5.240	224	8.490
3	-10.921	40	-7.671	77	-4.421	114	-1.171	151	2.078	188	5.328	225	8.578
4	-10.833	41	-7.583	78	-4.333	115	-1.084	152	2.166	189	5.416	226	8.666
5	-10.745	42	-7.495	79	-4.246	116	-0.996	153	2.254	190	5.504	227	8.753
6	-10.657	43	-7.407	80	-4.158	117	-0.908	154	2.342	191	5.591	228	8.841
7	-10.569	44	-7.320	81	-4.070	118	-0.820	155	2.430	192	5.679	229	8.929
8	-10.482	45	-7.232	82	-3.982	119	-0.732	156	2.517	193	5.767	230	9.017
9	-10.394	46	-7.144	83	-3.894	120	-0.645	157	2.605	194	5.855	231	9.105
10	-10.306	47	-7.056	84	-3.806	121	-0.557	158	2.693	195	5.943	232	9.192
11	-10.218	48	-6.968	85	-3.719	122	-0.469	159	2.781	196	6.031	233	9.280
12	-10.130	49	-6.880	86	-3.631	123	-0.381	160	2.869	197	6.118	234	9.368
13	-10.042	50	-6.793	87	-3.543	124	-0.293	161	2.957	198	6.206	235	9.456
14	-9.955	51	-6.705	88	-3.455	125	-0.205	162	3.044	199	6.294	236	9.544
15	-9.867	52	-6.617	89	-3.367	126	-0.118	163	3.132	200	6.382	237	9.632
16	-9.779	53	-6.529	90	-3.279	127	-0.030	164	3.220	201	6.470	238	9.719
17	-9.691	54	-6.441	91	-3.192	128	0.056	165	3.308	202	6.558	239	9.807
18	-9.603	55	-6.353	92	-3.104	129	0.146	166	3.396	203	6.645	240	9.895
19	-9.515	56	-6.266	93	-3.016	130	0.234	167	3.484	204	6.733	241	9.983
20	-9.428	57	-6.178	94	-2.928	131	0.322	168	3.571	205	6.821	242	10.071
21	-9.340	58	-6.090	95	-2.840	132	0.409	169	3.659	206	6.909	243	10.159
22	-9.252	59	-6.002	96	-2.752	133	0.497	170	3.747	207	6.997	244	10 246
23	-9.164	60	-5.914	97	-2.665	134	0.585	171	3.835	208	7.085	245	10.334
24	-9.076	61	-5.826	98	-2.577	135	0.673	172	3.923	209	7.172	246	10.422
25	-8.988	62	-5.739	99	-2.489	136	0.761	173	4.011	210	7.260	247	10.510
26	-8.901	63	-5.651	100	-2.401	137	0.849	174	4.098	211	7.348	248	10.598
27	-8.813	64	-5.563	101	-2.313	138	0.936	175	4.186	212	7.436	249	10.686
28	-8.725	65	-5.475	102	-2.225	139	1.024	176	4.274	213	7.524	250	10.773
29	-8.637	66	-5.387	103	-2.138	140	1.112	177	4.362	214	7.612	251	10.861
30	-8.549	67	-5.300	104	-2.050	141	1.200	178	4.450	215	7.699	252	10.949
31	-8.461	68	-5.212	105	-1.962	142	1.288	179	4.537	216	7.787	253	11.037
32	-8.374	69	-5.124	106	-1.874	143	1.376	180	4.625	217	7.875	254	11.125
33	-8.286	70	-5.036	107	-1.786	144	1.463	181	4.713	218	7.963		
34	-8.198	71	-4.948	108	-1.698	145	1.551	182	4.801	219	8.051		
35	-8.110	72	-4.860	109	-1.611	146	1.639	183	4.889	220	8.139		
36	-8 022	73	-4.773	110	-1.523	147	1.727	184	4.977	221	8.226		
37	-7.934	74	-4.685	111	-1.435	148	1.815	185	5.064	222	8.314		

09/27/71

3 INSTALLATION DATE DEC. 18,1960

TVC PITCH DIFF CLUTCH CURRENT

CAL RANGE -811.243 TO 810.487

SC-113

HARDWARE CALIB. NO.

81338 01

81869 01

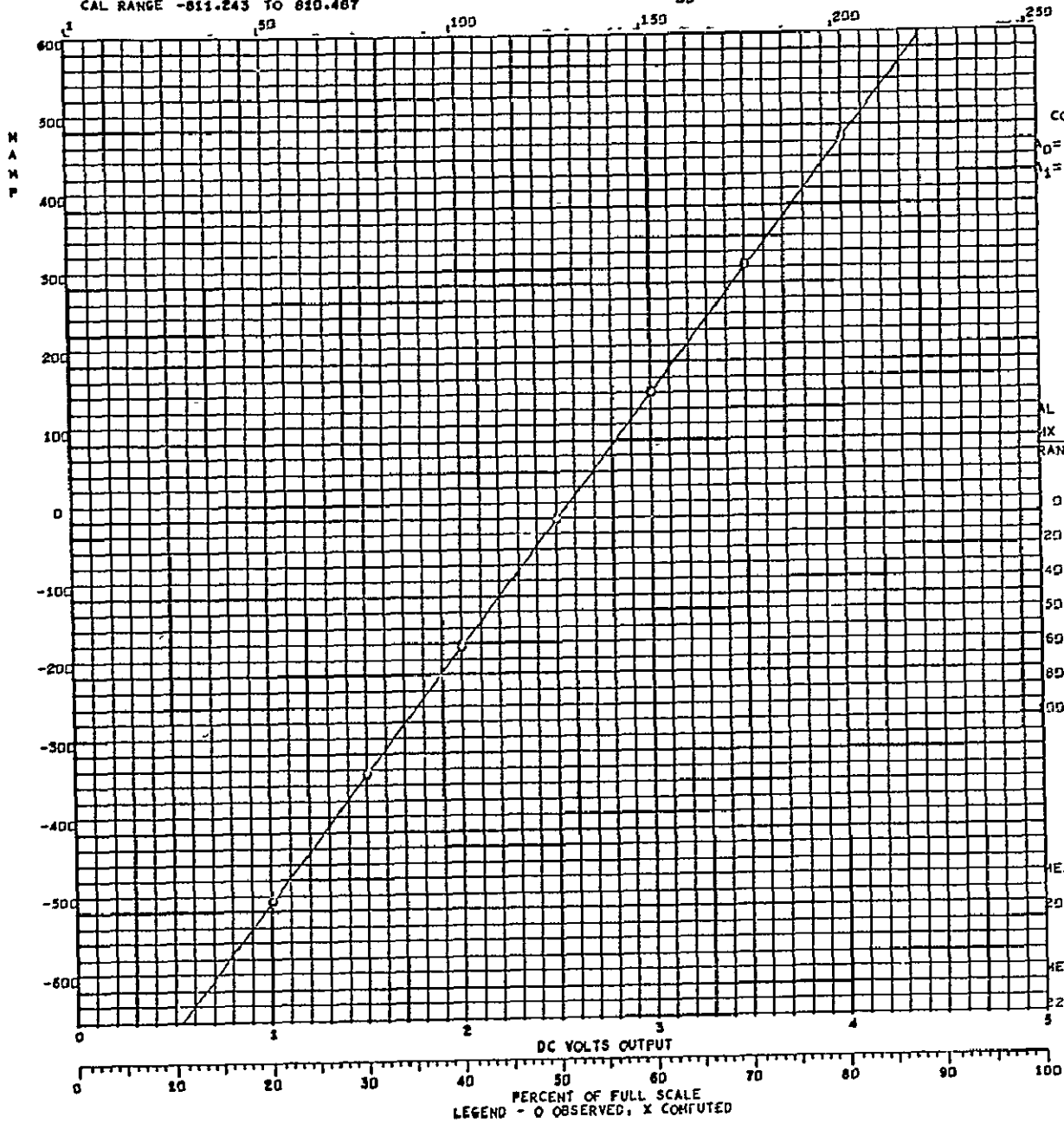
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SERIAL NO.

10028BAG1017

10028AAE1023

=Z1515



EQUATION COEFFICIENTS

A_0= -8.112 E 02

A_1= 3.243 E 02

AL DEV= 0

MAX DEV / RANGE = 0

0% = -8.112E 02

20% = -4.869E 02

40% = -1.626E 02

50% = -3.781E-01

60% = 1.618E 02

80% = 4.861E 02

100% = 8.105E 02

MEASUREMENT NO.

200CH3666C01

MEAS LOADING NO.

2201998 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TVC PITCH DIFF CLUTCH CURRENT

MEASUREMENT NO. 200CH3666C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028BAG1017
SIGNAL-CONDITIONER-SERIAL NO. 10028AAE1023
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/18/60

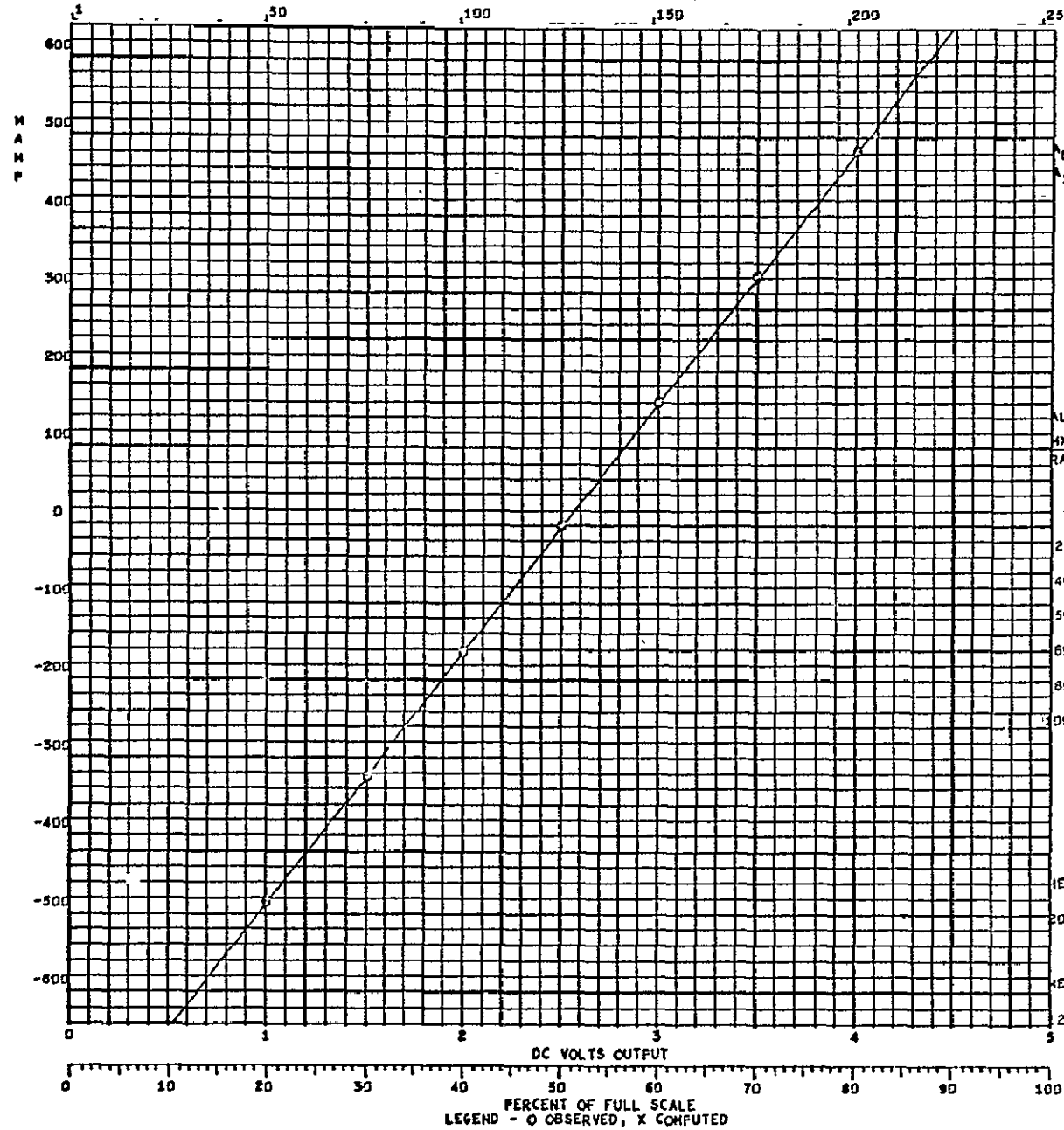
CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP
1	-811.243	38	-574.073	75	-336.903	112	-99.733	149	137.437	186	374.607	223	611.777
2	-804.833	39	-567.663	76	-330.493	113	-93.323	150	143.847	187	381.017	224	618.187
3	-798.423	40	-561.253	77	-324.083	114	-86.913	151	150 257	188	387.427	225	624.597
4	-792.013	41	-554.843	78	-317.673	115	-80.503	152	156.667	189	393 837	226	631.007
5	-785.603	42	-548.433	79	-311.263	116	-74.093	153	163.077	190	400.247	227	637.417
6	-779.193	43	-542.023	80	-304.853	117	-67.683	154	169.487	191	406.657	228	643.827
7	-772.783	44	-535.613	81	-298.443	118	-61.273	155	175.897	192	413.067	229	650.237
8	-766.373	45	-529.203	82	-292.033	119	-54.863	156	182.307	193	419.477	230	656.647
9	-759.963	46	-522.793	83	-285.623	120	-48.453	157	188.717	194	425.887	231	663.057
10	-753.553	47	-516.383	84	-279.213	121	-42.043	158	195.127	195	432 297	232	669 467
11	-747.143	48	-509.973	85	-272.803	122	-35.633	159	201.537	196	438.707	233	675.877
12	-740.733	49	-503.563	86	-266.393	123	-29.223	160	207.947	197	445.117	234	682.287
13	-734.323	50	-497.153	87	-259.983	124	-22.813	161	214.357	198	451.527	235	688.697
14	-727.913	51	-490.743	88	-253.573	125	-16.403	162	220.767	199	457.937	236	695.107
15	-721.503	52	-484.333	89	-247.163	126	-9.993	163	227.177	200	464.347	237	701.517
16	-715.093	53	-477.923	90	-240.753	127	-3.583	164	233.587	201	470.757	238	707.927
17	-708.683	54	-471.513	91	-234.343	128	2 827	165	239.997	202	477.167	239	714.337
18	-702.273	55	-465.103	92	-227.933	129	9.237	166	246.407	203	483.577	240	720.747
19	-695.863	56	-458.693	93	-221.523	130	15.647	167	252.817	204	489.987	241	727.157
20	-689.453	57	-452.283	94	-215.113	131	22.057	168	259.227	205	496.397	242	733.567
21	-683.043	58	-445.873	95	-208.703	132	28.467	169	265.637	206	502.807	243	739.977
22	-676.633	59	-439.463	96	-202.293	133	34.877	170	272.047	207	509.217	244	746.387
23	-670.223	60	-433.053	97	-195.883	134	41.287	171	278.457	208	515.627	245	752.797
24	-663.813	61	-426.643	98	-189.473	135	47.697	172	284.867	209	522.037	246	759.207
25	-657.403	62	-420.233	99	-183.063	136	54.107	173	291.277	210	528.447	247	765.617
26	-650.993	63	-413.823	100	-176.653	137	60.517	174	297.687	211	534.857	248	772.027
27	-644.583	64	-407.413	101	-170 243	138	66.927	175	304.097	212	541.267	249	778.437
28	-638.173	65	-401.003	102	-163.833	139	73.337	176	310.507	213	547.677	250	784.847
29	-631.763	66	-394.593	103	-157 423	140	79.747	177	316:917	214	554.087	251	791.257
30	-625.353	67	-388.183	104	-151.013	141	86.157	178	323.327	215	560.497	252	797.667
31	-618.943	68	-381.773	105	-144.603	142	92.567	179	329.737	216	566.907	253	804.077
32	-612.533	69	-375.363	106	-138.193	143	98.977	180	336.147	217	573.317	254	810.487
33	-606.123	70	-368.953	107	-131.783	144	105.387	181	342.557	218	579.727		
34	-599.713	71	-362.543	108	-125.373	145	111.797	182	348.967	219	586.137		
35	-593.303	72	-356.133	109	-118.963	146	118.207	183	355.377	220	592.547		
36	-586.893	73	-349.723	110	-112.553	147	124.617	184	361.787	221	598.957		
37	-580.483	74	-343.313	111	-106.143	148	131.027	185	368.197	222	605.367		

09/27/71
1 INSTALLATION DATE DEC. 18,1963
TVC YAW DIFF CLUTCH CURRENT
CAL RANGE -807.954 TO 807.179

SC-113

HARDWARE CALIB. NO. SERIAL NO.
81339 01 10028BAG1017
81870 01 10028AAE1023
00

=21515



EQUATION COEFFICIENTS
A_0= -8.080 E 02
A_1= 3.230 E 02

AL DEV= 0
MX DEV/RANGE = 0

0% =-8.080E 02
20% =-4.849E 02
40% =-1.619E 02
50% =-3.878E-01
60% = 1.611E 02
80% = 4.842E 02
100% = 8.072E 02

MEASUREMENT NO.
209CH3667C01

MEAS LOADING NO.
201956 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TVC YAW DIFF CLUTCH CURRENT

MEASUREMENT NO. 200CH3667C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028BAG1017
SIGNAL CONDITIONER SERIAL NO. 10028AAE1023
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/18/60

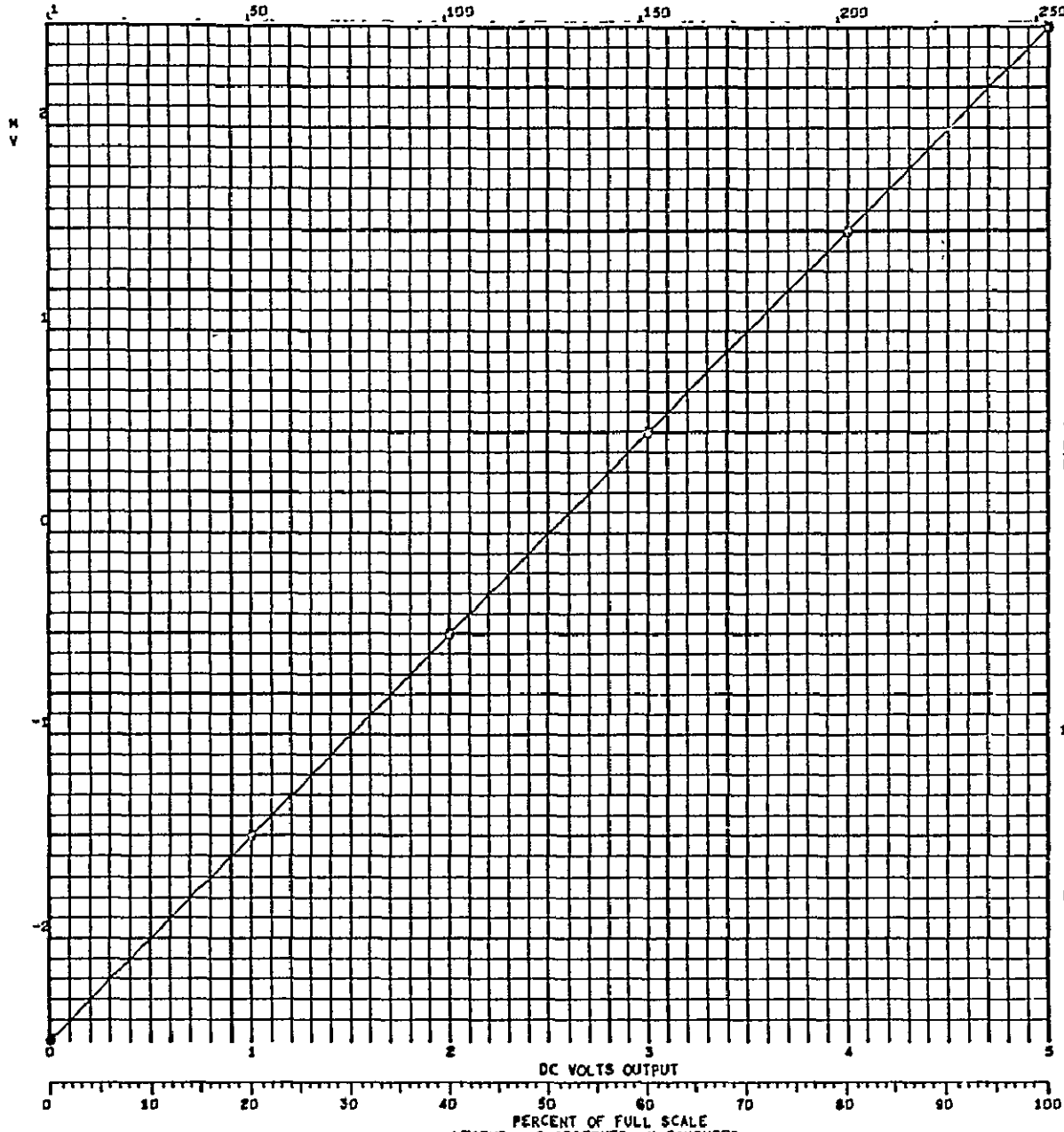
CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP	CNT	MAMP
1	-807.954	38	-571.749	75	-335.544	112	-99.339	149	136.867	186	373.072	223	609.277
2	-801.570	39	-565.365	76	-329.160	113	-92.955	150	143.250	187	379.456	224	615.661
3	-795.186	40	-558.981	77	-322.776	114	-86.571	151	149.634	188	385 840	225	622.045
4	-788 803	41	-552.597	78	-316.392	115	-80.187	152	156.018	189	392.223	226	628.429
5	-782.419	42	-546.213	79	-310.008	116	-73.803	153	162.402	190	398.607	227	634.813
6	-776.035	43	-539.829	80	-303.624	117	-67.419	154	168.786	191	404.991	228	641.197
7	-769 651	44	-533.446	81	-297.240	118	-61.035	155	175.170	192	411.375	229	647.581
8	-763.267	45	-527.062	82	-290.856	119	-54.651	156	181.554	193	417.759	230	653.965
9	-756.883	46	-520.678	83	-284.473	120	-48.267	157	187.938	194	424.143	231	660.349
10	-750.499	47	-514.294	84	-278.089	121	-41.883	158	194.322	195	430.527	232	666.733
11	-744.115	48	-507.910	85	-271.705	122	-35.499	159	200.706	196	436.911	233	673.116
12	-737.731	49	-501.526	86	-265.321	123	-29.116	160	207.090	197	443.295	234	679.500
13	-731.347	50	-495.142	87	-258.937	124	-22.732	161	213.474	198	449.679	235	685.884
14	-724.963	51	-488.758	88	-252.553	125	-16.348	162	219.858	199	456.063	236	692.268
15	-718.579	52	-482.374	89	-246.169	126	-9.964	163	226.241	200	462.447	237	698.652
16	-712.195	53	-475.990	90	-239.785	127	-3.580	164	232.625	201	468.831	238	705.036
17	-705.812	54	-469.606	91	-233.401	128	2.804	165	239.009	202	475.215	239	711.420
18	-699.428	55	-463.222	92	-227.017	129	9.188	166	245.393	203	481.598	240	717.804
19	-693.044	56	-456.838	93	-220.633	130	15.572	167	251.777	204	487.982	241	724.188
20	-686.660	57	-450.455	94	-214.249	131	21.956	168	258.161	205	494.366	242	730.572
21	-680 276	58	-444.071	95	-207 865	132	28.340	169	264.545	206	500.750	243	736.956
22	-673.892	59	-437.687	96	-201.481	133	34.724	170	270.929	207	507.134	244	743.340
23	-667.508	60	-431.303	97	-195.098	134	41.108	171	277.313	208	513.518	245	749.724
24	-661.124	61	-424.919	98	-188.714	135	47.492	172	283.697	209	519.902	246	756.108
25	-654.740	62	-418.535	99	-182.330	136	53.875	173	290.081	210	526.286	247	762.492
26	-648.356	63	-412.151	100	-175.946	137	60.259	174	296.465	211	532.670	248	768.875
27	-641.972	64	-405.767	101	-169.562	138	66.643	175	302.849	212	539.054	249	775.259
28	-635.588	65	-399.383	102	-163.178	139	73.027	176	309.232	213	545.438	250	781.643
29	-629.204	66	-392.999	103	-156.794	140	79.411	177	315.616	214	551.822	251	788.027
30	-622.821	67	-386.615	104	-150 410	141	85.795	178	322.000	215	558.206	252	794.411
31	-616.437	68	-380.231	105	-144.026	142	92.179	179	328.384	216	564.590	253	800.795
32	-610.053	69	-373.847	106	-137.642	143	98.563	180	334.768	217	570.973	254	807.179
33	-603.669	70	-367.464	107	-131.258	144	104.947	181	341.152	218	577.357		
34	-597.285	71	-361.080	108	-124 874	145	111.331	182	347.536	219	583.741		
35	-590.901	72	-354.696	109	-118.490	146	117.715	183	353 920	220	590.125		
36	-584.517	73	-348.312	110	-112.107	147	124.099	184	360.304	221	596.509		
37	-578.133	74	-341.928	111	-105.723	148	130.483	185	366.688	222	602.893		

09/27/71
1 INSTALLATION DATE SEPT. 23,1968
EKG COMMANDER LH COUCH
CAL RANGE -2.50000 TO 2.50000

SC-113

HARDWARE CALIB. NO. 54404 01 00 00
SERIAL NO. NONE

#21515



EQUATION COEFFICIENTS

A_0= -2.500 E 00
A_1= 1.000 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-2.500E 00
20% =-1.500E 00
40% =-5 000E-01
50% = 0.
60% = 5.000E-01
80% = 1.500E 00
100% = 2.500E 00

MEASUREMENT NO.
200CJ0060J01

MEAS LOADING NO.
2291007 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

ENG COMMANDER LH COUCH

MEASUREMENT NO. 200CJ0060J01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV
1	-2.500	38	-1.769	75	-1.038	112	-0.306	149	0.425	186	1.156	223	1.887
2	-2.480	39	-1.749	76	-1.018	113	-0.287	150	0.445	187	1.176	224	1.907
3	-2.460	40	-1.729	77	-0.998	114	-0.267	151	0.464	188	1.196	225	1.927
4	-2.441	41	-1.709	78	-0.978	115	-0.247	152	0.484	189	1.215	226	1.947
5	-2.421	42	-1.690	79	-0.958	116	-0.227	153	0.504	190	1.235	227	1.966
6	-2.401	43	-1.670	80	-0.939	117	-0.208	154	0.524	191	1.255	228	1.986
7	-2.381	44	-1.650	81	-0.919	118	-0.188	155	0.543	192	1.275	229	2.006
8	-2.362	45	-1.630	82	-0.899	119	-0.168	156	0.563	193	1.294	230	2.026
9	-2.342	46	-1.611	83	-0.879	120	-0.148	157	0.583	194	1.314	231	2.045
10	-2.322	47	-1.591	84	-0.860	121	-0.128	158	0.603	195	1.334	232	2.065
11	-2.302	48	-1.571	85	-0.840	122	-0.109	159	0.623	196	1.354	233	2.085
12	-2.283	49	-1.551	86	-0.820	123	-0.089	160	0 642	197	1.374	234	2.105
13	-2.263	50	-1.532	87	-0.800	124	-0.069	161	0.662	198	1.393	235	2.125
14	-2.243	51	-1.512	88	-0.781	125	-0.049	162	0.682	199	1.413	236	2.144
15	-2.223	52	-1.492	89	-0.761	126	-0.030	163	0.702	200	1.433	237	2.164
16	-2.204	53	-1.472	90	-0.741	127	-0.010	164	0.721	201	1.453	238	2.184
17	-2.184	54	-1.453	91	-0.721	128	0.010	165	0.741	202	1.472	239	2.204
18	-2.164	55	-1.433	92	-0.702	129	0.030	166	0.761	203	1.492	240	2.223
19	-2.144	56	-1.413	93	-0.682	130	0.049	167	0.781	204	1.512	241	2.243
20	-2.125	57	-1.393	94	-0.662	131	0.069	168	0.800	205	1.532	242	2.263
21	-2.105	58	-1.374	95	-0.642	132	0.089	169	0.820	206	1.551	243	2.283
22	-2.085	59	-1.354	96	-0.623	133	0.109	170	0.840	207	1.571	244	2.302
23	-2.065	60	-1.334	97	-0.603	134	0.128	171	0.860	208	1.591	245	2.322
24	-2.045	61	-1.314	98	-0.583	135	0.148	172	0.879	209	1.611	246	2.342
25	-2.026	62	-1.294	99	-0.563	136	0.168	173	0.899	210	1.630	247	2.362
26	-2.006	63	-1.275	100	-0.543	137	0.188	174	0.919	211	1.650	248	2.381
27	-1.986	64	-1.255	101	-0.524	138	0.208	175	0.939	212	1.670	249	2.401
28	-1.966	65	-1.235	102	-0.504	139	0.227	176	0.958	213	1.690	250	2.421
29	-1.947	66	-1.215	103	-0.484	140	0.247	177	0.978	214	1.709	251	2.441
30	-1.927	67	-1.196	104	-0.464	141	0.267	178	0.998	215	1.729	252	2.460
31	-1.907	68	-1.176	105	-0.445	142	0.287	179	1.018	216	1.749	253	2.480
32	-1.887	69	-1.156	106	-0.425	143	0.306	180	1.038	217	1.769	254	2.500
33	-1.868	70	-1.136	107	-0.405	144	0.326	181	1.057	218	1.789		
34	-1.848	71	-1.117	108	-0.385	145	0.346	182	1.077	219	1.808		
35	-1.828	72	-1.097	109	-0.366	146	0.366	183	1.097	220	1 828		
36	-1.808	73	-1.077	110	-0.346	147	0.385	184	1.117	221	1.848		
37	-1.789	74	-1.057	111	-0.326	148	0.405	185	1.136	222	1.868		

09/27/71

1 INSTALLATION DATE SEPT. 23,1968

EKG CKD MOD PILOT CTR COUCH

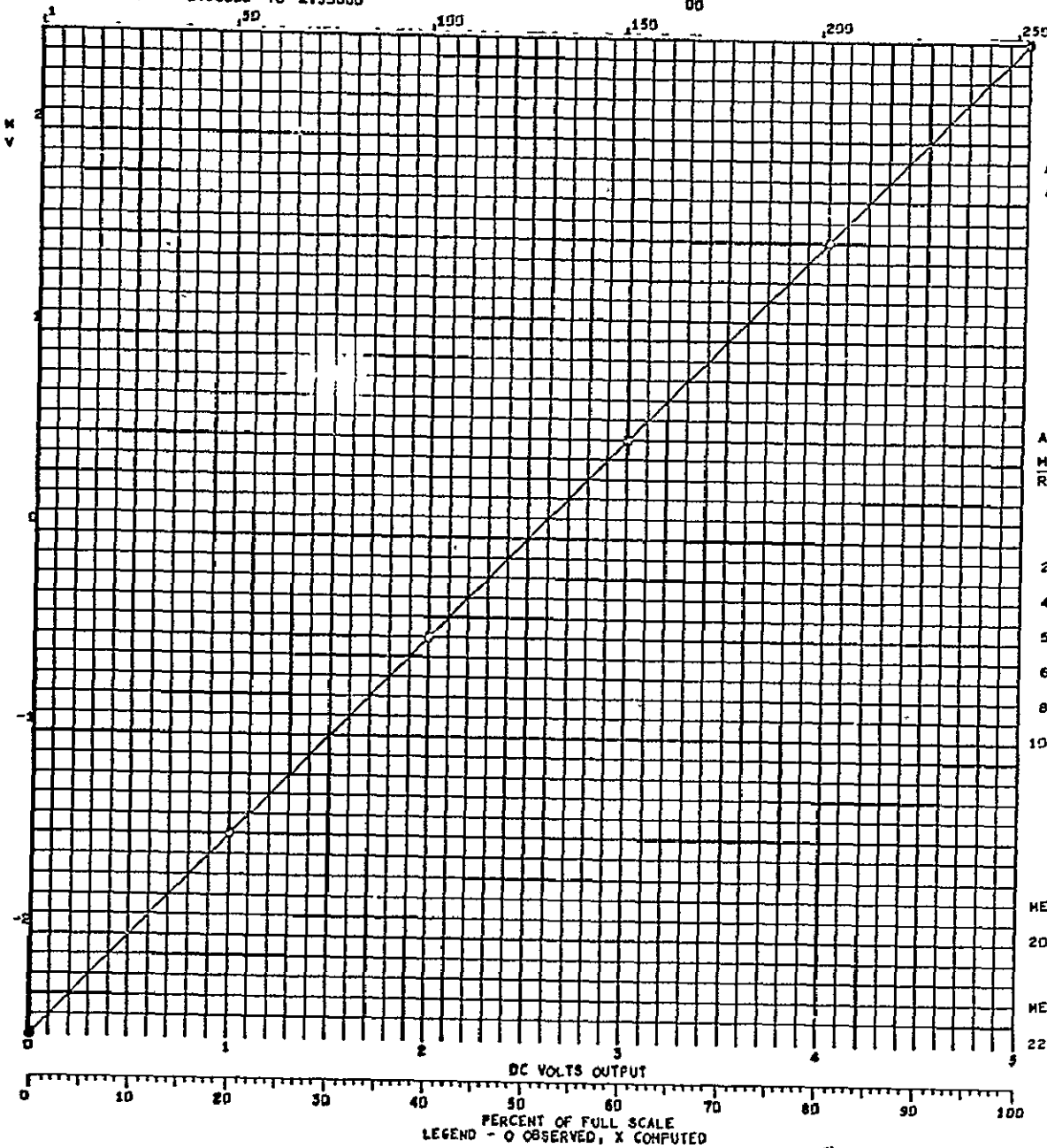
V CAL RANGE -2.50000 TO 2.50000

SC-113

HARDWARE CALIB. NO. 54404 01 00 00

SERIAL NO. NONE

=21515



EQUATION COEFFICIENTS

A_0= -2.500 E 00

A_1= 1.000 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -2.500E 00

20% = -1.500E 00

40% = -5.000E-01

50% = 0.

60% = 5.000E-01

80% = 1.500E 00

100% = 2.500E 00

MEASUREMENT NO.

200CJ0061J01

MEAS LOADING NO.

2291005 12 25

5 231

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

EKG CMD MOD PILOT CTR COUCH

MEASUREMENT NO. 205CJ0061J01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV
1	-2.500	38	-1.769	75	-1.038	112	-0.306	149	0 425	186	1.156	223	1.887
2	-2.480	39	-1.749	76	-1.018	113	-0 287	150	0.445	187	1.176	224	1.907
3	-2.460	40	-1.729	77	-0.998	114	-0.267	151	0.464	188	1.196	225	1.927
4	-2.441	41	-1.709	78	-0.978	115	-0.247	152	0.484	189	1.215	226	1.947
5	-2.421	42	-1.690	79	-0.958	116	-0.227	153	0.504	190	1.235	227	1.966
6	-2.401	43	-1.670	80	-0.939	117	-0.208	154	0.524	191	1.255	228	1.986
7	-2.381	44	-1.650	81	-0.919	118	-0.188	155	0.543	192	1.275	229	2.006
8	-2.362	45	-1.630	82	-0.899	119	-0.168	156	0.563	193	1.294	230	2.026
9	-2.342	46	-1.611	83	-0.879	120	-0.148	157	0.583	194	1.314	231	2.045
10	-2.322	47	-1.591	84	-0.860	121	-0.128	158	0.603	195	1.334	232	2.065
11	-2.302	48	-1.571	85	-0.840	122	-0.109	159	0.623	196	1.354	233	2.085
12	-2.283	49	-1.551	86	-0.820	123	-0.089	160	0.642	197	1.374	234	2.105
13	-2.263	50	-1.532	87	-0.800	124	-0.069	161	0.662	198	1.393	235	2.125
14	-2.243	51	-1.512	88	-0.781	125	-0.049	162	0.682	199	1.413	236	2.144
15	-2.223	52	-1.492	89	-0.761	126	-0.030	163	0.702	200	1.433	237	2.164
16	-2.204	53	-1.472	90	-0.741	127	-0.010	164	0.721	201	1.453	238	2.184
17	-2.184	54	-1.453	91	-0.721	128	0.010	165	0.741	202	1.472	239	2.204
18	-2.164	55	-1.433	92	-0.702	129	0.030	166	0.761	203	1.492	240	2.223
19	-2.144	56	-1.413	93	-0.682	130	0.049	167	0.781	204	1.512	241	2.243
20	-2.125	57	-1.393	94	-0.662	131	0.069	168	0.800	205	1.532	242	2.263
21	-2.105	58	-1.374	95	-0.642	132	0.089	169	0.820	206	1.551	243	2.283
22	-2.085	59	-1.354	96	-0.623	133	0.109	170	0 840	207	1.571	244	2.302
23	-2.065	60	-1.334	97	-0.603	134	0.128	171	0.860	208	1.591	245	2.322
24	-2.045	61	-1.314	98	-0.583	135	0.148	172	0.879	209	1.611	246	2.342
25	-2.026	62	-1.294	99	-0.563	136	0.168	173	0.899	210	1.630	247	2.362
26	-2.006	63	-1.275	100	-0.543	137	0.188	174	0.919	211	1.650	248	2.381
27	-1.986	64	-1.255	101	-0.524	138	0.208	175	0.939	212	1.670	249	2.401
28	-1.966	65	-1.235	102	-0.504	139	0.227	176	0.958	213	1.690	250	2.421
29	-1.947	66	-1.215	103	-0.484	140	0.247	177	0.978	214	1.709	251	2.441
30	-1.927	67	-1.196	104	-0.464	141	0.267	178	0.998	215	1.729	252	2.460
31	-1.907	68	-1.176	105	-0.445	142	0.287	179	1.018	216	1.749	253	2.480
32	-1.887	69	-1.156	106	-0.425	143	0.306	180	1.038	217	1.769	254	2.500
33	-1.868	70	-1.136	107	-0.405	144	0.326	181	1.057	218	1.789		
34	-1.848	71	-1.117	108	-0.385	145	0.346	182	1.077	219	1.808		
35	-1.828	72	-1.097	109	-0.366	146	0.366	183	1.097	220	1.828		
36	-1.808	73	-1.077	110	-0.346	147	0.385	184	1.117	221	1.848		
37	-1.789	74	-1.057	111	-0.326	148	0.405	185	1.136	222	1.868		

09/27/71

1 INSTALLATION DATE SEPT. 23,1968

EKG LUNAR MOD PILOT RH COUCH

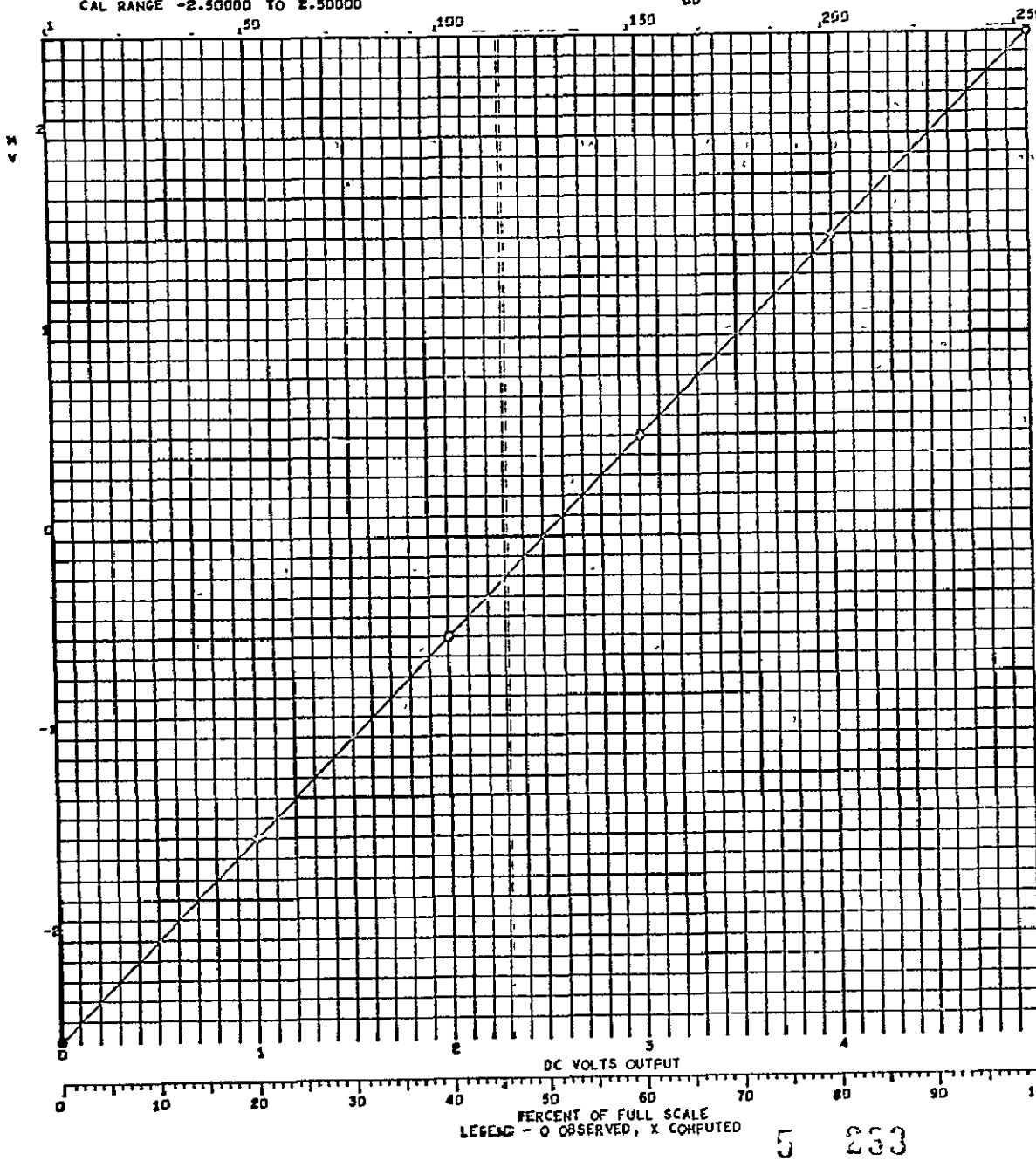
CAL RANGE -2.50000 TO 2.50000

SC-113

HARDWARE CALIB. NO. 54404 01 00 00

SERIAL NO. NONE

=21515



EQUATION COEFFICIENTS

A_0= -2.500 E 00

A_1= 1.000 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -2.500E 00

20% = -1.500E 00

40% = -5.000E-01

50% = 0.

60% = 5.000E-01

80% = 1.500E 00

100% = 2.500E 00

MEASUREMENT NO.

209CJ0062J01

MEAS LOADING NO.

2201006 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

EKG LUNAR MOD PILOT RH COUCH

MEASUREMENT NO. 200CJ0062J01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

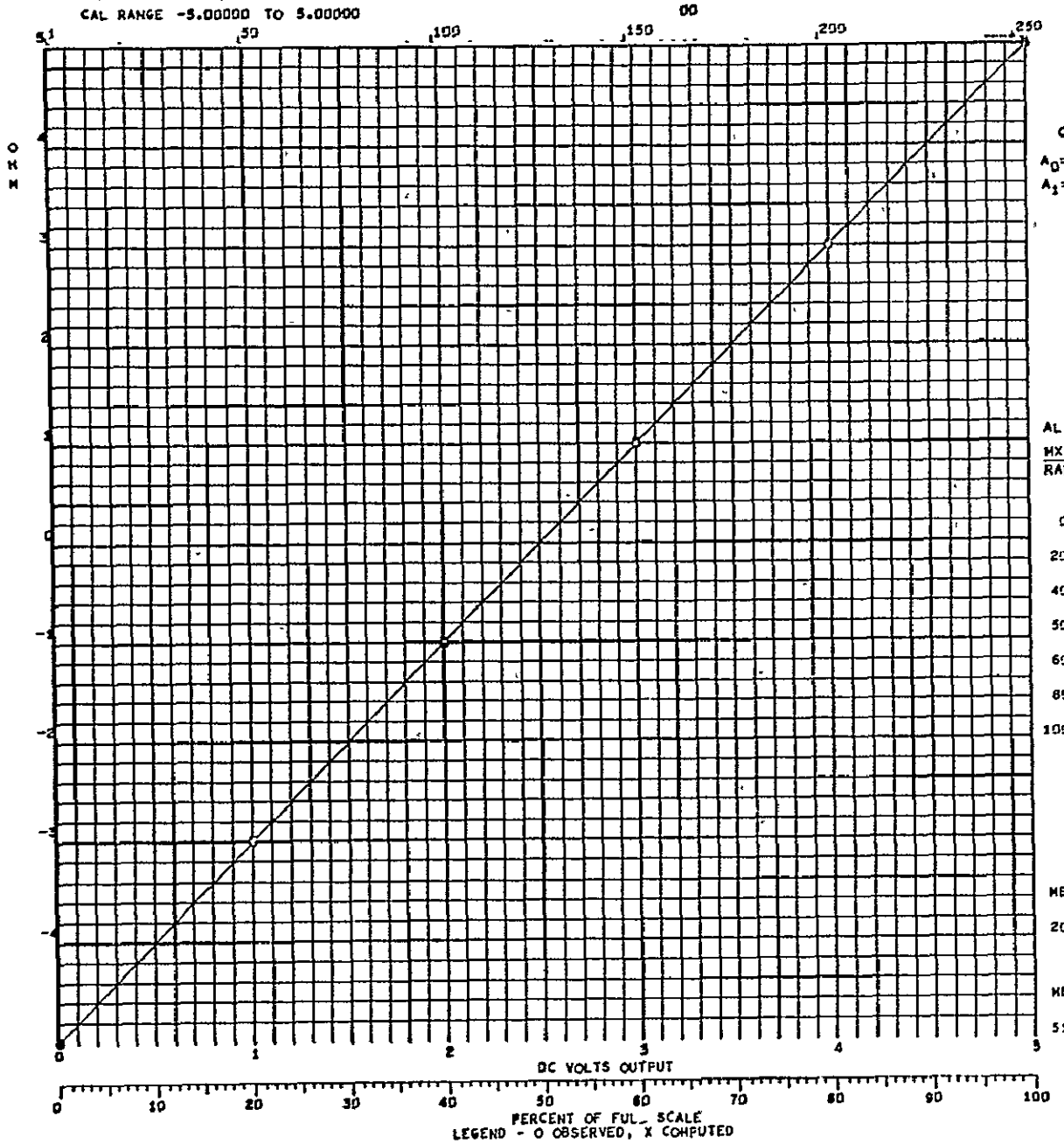
CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV	CNT	MV
1	-2.500	38	-1.769	75	-1.038	112	-0.306	149	0.425	186	1.156	223	1.887
2	-2.480	39	-1.749	76	-1.018	113	-0.287	150	0.445	187	1.176	224	1.907
3	-2.460	40	-1.729	77	-0.998	114	-0.267	151	0.464	188	1.196	225	1.927
4	-2.441	41	-1.709	78	-0.978	115	-0.247	152	0.484	189	1.215	226	1.947
5	-2.421	42	-1.690	79	-0.958	116	-0.227	153	0.504	190	1.235	227	1.966
6	-2.401	43	-1.670	80	-0.939	117	-0.208	154	0.524	191	1.255	228	1.986
7	-2.381	44	-1.650	81	-0.919	118	-0.188	155	0.543	192	1.275	229	2.006
8	-2.362	45	-1.630	82	-0.899	119	-0.168	156	0.563	193	1.294	230	2.026
9	-2.342	46	-1.611	83	-0.879	120	-0.148	157	0.583	194	1.314	231	2.045
10	-2.322	47	-1.591	84	-0.860	121	-0.128	158	0.603	195	1.334	232	2.065
11	-2.302	48	-1.571	85	-0.840	122	-0.109	159	0.623	196	1.354	233	2.085
12	-2.283	49	-1.551	86	-0.820	123	-0.089	160	0.642	197	1.374	234	2.105
13	-2.263	50	-1.532	87	-0.800	124	-0.069	161	0.662	198	1.393	235	2.125
14	-2.243	51	-1.512	88	-0.781	125	-0.049	162	0.682	199	1.413	236	2.144
15	-2.223	52	-1.492	89	-0.761	126	-0.030	163	0.702	200	1.433	237	2.164
16	-2.204	53	-1.472	90	-0.741	127	-0.010	164	0.721	201	1.453	238	2.184
17	-2.184	54	-1.453	91	-0.721	128	0.010	165	0.741	202	1.472	239	2 204
18	-2.164	55	-1.433	92	-0.702	129	0.030	166	0.761	203	1.492	240	2.223
19	-2.144	56	-1.413	93	-0.682	130	0.049	167	0.781	204	1.512	241	2.243
20	-2.125	57	-1.393	94	-0.662	131	0.069	168	0.800	205	1.532	242	2.263
21	-2.105	58	-1.374	95	-0.642	132	0.089	169	0.820	206	1.551	243	2.283
22	-2.085	59	-1.354	96	-0.623	133	0.109	170	0.840	207	1.571	244	2.302
23	-2.065	60	-1.334	97	-0.603	134	0.128	171	0.860	208	1.591	245	2.322
24	-2.045	61	-1.314	98	-0.583	135	0.148	172	0.879	209	1.611	246	2.342
25	-2.026	62	-1.294	99	-0.563	136	0.168	173	0.899	210	1.630	247	2.362
26	-2.006	63	-1.275	100	-0.543	137	0.188	174	0.919	211	1.650	248	2.381
27	-1.986	64	-1.255	101	-0.524	138	0.208	175	0.939	212	1.670	249	2.401
28	-1.966	65	-1.235	102	-0.504	139	0.227	176	0.958	213	1.690	250	2.421
29	-1.947	66	-1.215	103	-0.484	140	0.247	177	0.978	214	1.709	251	2.441
30	-1.927	67	-1.196	104	-0.464	141	0.267	178	0.998	215	1.729	252	2.460
31	-1.907	68	-1.176	105	-0.445	142	0.287	179	1.018	216	1.749	253	2.480
32	-1.887	69	-1.156	106	-0.425	143	0.306	180	1.038	217	1.769	254	2.500
33	-1.868	70	-1.136	107	-0.405	144	0.326	181	1.057	218	1.789		
34	-1.848	71	-1.117	108	-0.385	145	0.346	182	1.077	219	1.808		
35	-1.828	72	-1.097	109	-0.366	146	0.366	183	1.097	220	1.828		
36	-1.808	73	-1.077	110	-0.346	147	0.385	184	1.117	221	1.848		
37	-1.789	74	-1.057	111	-0.326	148	0.405	185	1.136	222	1.868		

09/27/71
1 INSTALLATION DATE SEPT. 23,1968
RESP RATE CHD LH COUCH
CAL RANGE -5.00000 TO 5.00000

SC-113

HARDWARE CALIB. NO. 54402 01 00 00
SERIAL NO. NONE

=21515



EQUATION COEFFICIENTS
A_0= -5.000 E 00
A_1= 2.000 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% =-5.000E 00
20% =-3.000E 00
40% =-1.000E 00
50% = 0.
60% = 1.000E 00
80% = 3.000E 00
100% = 5.000E 00

MEASUREMENT NO.
200CJ0200R02

MEAS LOADING NO.
5191964 12 20

Nominal Impedance - Delta (500) Ohms

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

RESP RATE CMD LH COUCH

MEASUREMENT NO. 200CJ0200R02
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

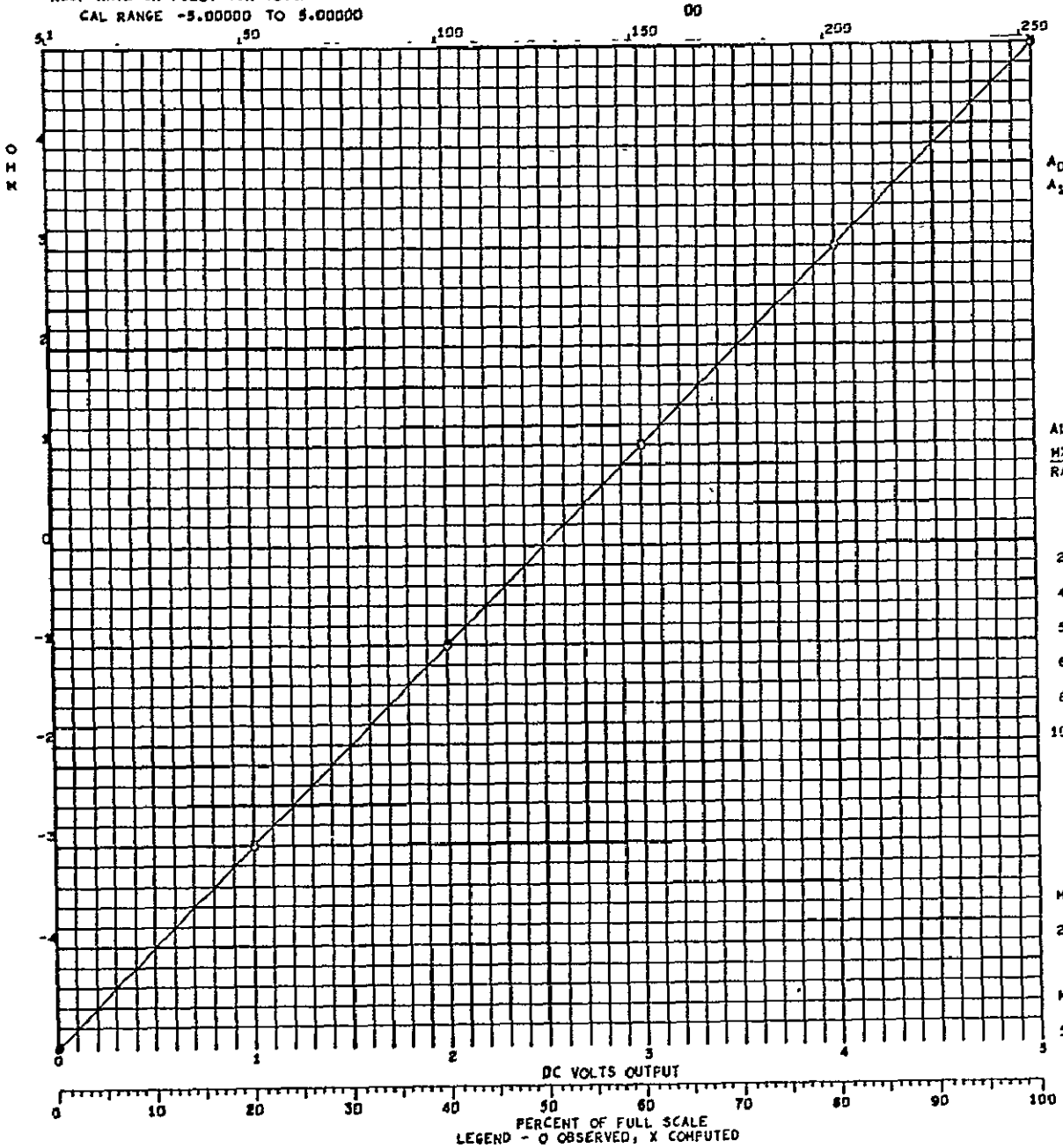
CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN
1	-5.000	38	-3.538	75	-2.075	112	-0.613	149	0.850	186	2.312	223	3.775
2	-4.960	39	-3.498	76	-2.036	113	-0.573	150	0.889	187	2.352	224	3.814
3	-4.921	40	-3.458	77	-1.996	114	-0.534	151	0.929	188	2.391	225	3.854
4	-4.881	41	-3.419	78	-1.957	115	-0.494	152	0.968	189	2.431	226	3.893
5	-4.842	42	-3.379	79	-1.917	116	-0.455	153	1.008	190	2.470	227	3.933
6	-4.802	43	-3.340	80	-1.877	117	-0.415	154	1.047	191	2.510	228	3.972
7	-4.763	44	-3.300	81	-1.838	118	-0.375	155	1.087	192	2.549	229	4.012
8	-4.723	45	-3.261	82	-1.798	119	-0.336	156	1.126	193	2.589	230	4.051
9	-4.684	46	-3.221	83	-1.759	120	-0.296	157	1.166	194	2.628	231	4.091
10	-4.644	47	-3.182	84	-1.719	121	-0.257	158	1.206	195	2.668	232	4.130
11	-4.605	48	-3.142	85	-1.680	122	-0.217	159	1.245	196	2.708	233	4.170
12	-4.565	49	-3.103	86	-1.640	123	-0.178	160	1.285	197	2.747	234	4.209
13	-4.526	50	-3.063	87	-1.601	124	-0.138	161	1.324	198	2.787	235	4.249
14	-4.486	51	-3.024	88	-1.561	125	-0.099	162	1.364	199	2.826	236	4.289
15	-4.447	52	-2.984	89	-1.522	126	-0.059	163	1.403	200	2.866	237	4.328
16	-4.407	53	-2.945	90	-1.482	127	-0.020	164	1.443	201	2.905	238	4.368
17	-4.368	54	-2.905	91	-1.443	128	0.020	165	1.482	202	2.945	239	4.407
18	-4.328	55	-2.866	92	-1.403	129	0.059	166	1.522	203	2.984	240	4.447
19	-4.289	56	-2.826	93	-1.364	130	0.099	167	1.561	204	3.024	241	4.486
20	-4.249	57	-2.787	94	-1.324	131	0.138	168	1.601	205	3.063	242	4.526
21	-4.209	58	-2.747	95	-1.285	132	0.178	169	1.640	206	3.103	243	4.565
22	-4.170	59	-2.708	96	-1.245	133	0.217	170	1.680	207	3.142	244	4.605
23	-4.130	60	-2.668	97	-1.206	134	0.257	171	1.719	208	3.182	245	4.644
24	-4.091	61	-2.628	98	-1.166	135	0.296	172	1.759	209	3.221	246	4.684
25	-4.051	62	-2.589	99	-1.126	136	0.336	173	1.798	210	3.261	247	4.723
26	-4.012	63	-2.549	100	-1.087	137	0.375	174	1.838	211	3.300	248	4.763
27	-3.972	64	-2.510	101	-1.047	138	0.415	175	1.877	212	3.340	249	4.802
28	-3.933	65	-2.470	102	-1.008	139	0.455	176	1.917	213	3.379	250	4.842
29	-3.893	66	-2 431	103	-0.968	140	0.494	177	1.957	214	3.419	251	4.881
30	-3.854	67	-2.391	104	-0.929	141	0.534	178	1.996	215	3.458	252	4.921
31	-3.814	68	-2.352	105	-0.889	142	0.573	179	2.036	216	3.498	253	4.960
32	-3.775	69	-2.312	106	-0.850	143	0.613	180	2.075	217	3.538	254	5.000
33	-3.735	70	-2.273	107	-0.810	144	0.652	181	2.115	218	3.577		
34	-3.696	71	-2.233	108	-0.771	145	0.692	182	2.154	219	3.617		
35	-3.656	72	-2.194	109	-0.731	146	0.731	183	2.194	220	3 656		
36	-3.617	73	-2.154	110	-0.692	147	0.771	184	2.233	221	3.696		
37	-3.577	74	-2.115	111	-0.652	148	0.810	185	2.273	222	3.735		

09/27/71
1 INSTALLATION DATE SEPT. 23,1966
RESP RATE CH PILOT CTR COUCH
CAL RANGE -5.00000 TO 5.00000

SC-113

HARDWARE CALIB. NO. 54402 01 00 00
SERIAL NO. NONE

#21515



EQUATION COEFFICIENTS

A_0= -5.000 E 00
A_1= 2.000 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -5 000E 00
20% = -3.000E 00
40% = -1.000E 00
50% = 0.
60% = 1 000E 00
80% = 3.000E 00
100% = 5 000E 00

MEASUREMENT NO.
200CJ0201R01

MEAS LOADING NO.
5101093 12 20

NOMINAL IMPEDANCE - DELTA (500) OHMS

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

RESP RATE ON PILOT CTR COUCH

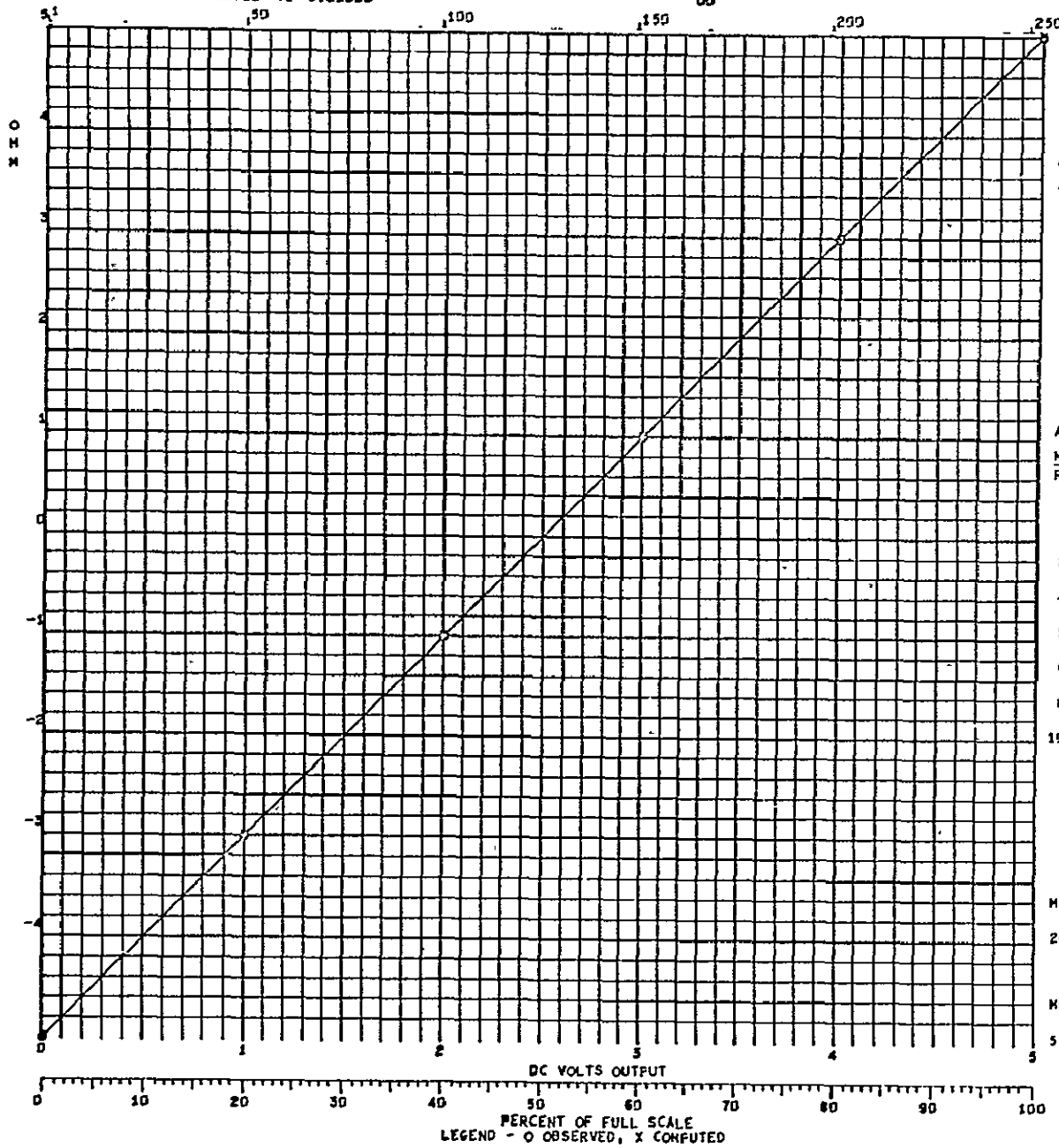
MEASUREMENT NO. 200CJ0201R01
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

CNT	OHM	CNT	OHM	CNT	OHM	CNT	OHM	CNT	OHM	CNT	OHM	CNT	OHM
1	-5.000	38	-3.538	75	-2.075	112	-0.613	149	0.850	186	2.312	223	3.775
2	-4.960	39	-3.498	76	-2.036	113	-0.573	150	0.889	187	2.352	224	3.814
3	-4.921	40	-3.458	77	-1.996	114	-0.534	151	0.929	188	2.391	225	3 854
4	-4.881	41	-3.419	78	-1.957	115	-0.494	152	0.968	189	2.431	226	3.893
5	-4.842	42	-3.379	79	-1.917	116	-0.455	153	1.008	190	2.470	227	3.933
6	-4.802	43	-3.340	80	-1.877	117	-0.415	154	1.047	191	2.510	228	3.972
7	-4.763	44	-3.300	81	-1.838	118	-0.375	155	1.087	192	2.549	229	4.012
8	-4.723	45	-3.261	82	-1.798	119	-0.336	156	1.126	193	2.589	230	4.051
9	-4.684	46	-3.221	83	-1.759	120	-0.296	157	1.166	194	2.628	231	4.091
10	-4.644	47	-3.182	84	-1.719	121	-0.257	158	1.206	195	2.668	232	4.130
11	-4.605	48	-3.142	85	-1.680	122	-0.217	159	1.245	196	2.708	233	4.170
12	-4.565	49	-3.103	86	-1.640	123	-0.178	160	1.285	197	2.747	234	4.209
13	-4.526	50	-3.063	87	-1.601	124	-0.138	161	1.324	198	2.787	235	4.249
14	-4.486	51	-3.024	88	-1.561	125	-0.099	162	1.364	199	2.826	236	4.289
15	-4.447	52	-2.984	89	-1.522	126	-0.059	163	1.403	200	2.866	237	4.328
16	-4.407	53	-2.945	90	-1.482	127	-0.020	164	1.443	201	2.905	238	4.368
17	-4.368	54	-2.905	91	-1.443	128	0.020	165	1.482	202	2.945	239	4.407
18	-4.328	55	-2.866	92	-1.403	129	0.059	166	1.522	203	2.984	240	4.447
19	-4.289	56	-2.826	93	-1.364	130	0.099	167	1.561	204	3.024	241	4.486
20	-4.249	57	-2.787	94	-1.324	131	0.138	168	1.601	205	3.063	242	4.526
21	-4.209	58	-2.747	95	-1.285	132	0.178	169	1.640	206	3 103	243	4.565
22	-4.170	59	-2.708	96	-1.245	133	0.217	170	1.680	207	3.142	244	4.605
23	-4.130	60	-2.668	97	-1.206	134	0.257	171	1.719	208	3.182	245	4.644
24	-4.091	61	-2.628	98	-1.166	135	0.296	172	1.759	209	3.221	246	4.684
25	-4.051	62	-2.589	99	-1.126	136	0.336	173	1.798	210	3.261	247	4.723
26	-4.012	63	-2.549	100	-1.087	137	0.375	174	1.838	211	3.300	248	4.763
27	-3.972	64	-2.510	101	-1.047	138	0.415	175	1.877	212	3.340	249	4.802
28	-3.933	65	-2.470	102	-1.008	139	0.455	176	1.917	213	3.379	250	4.842
29	-3.893	66	-2.431	103	-0.968	140	0.494	177	1.957	214	3.419	251	4.881
30	-3.854	67	-2.391	104	-0.929	141	0.534	178	1.996	215	3.458	252	4.921
31	-3.814	68	-2.352	105	-0.889	142	0.573	179	2.036	216	3.498	253	4.960
32	-3.775	69	-2.312	106	-0.850	143	0.613	180	2.075	217	3.538	254	5.000
33	-3.735	70	-2.273	107	-0.810	144	0.652	181	2.115	218	3.577		
34	-3.696	71	-2.233	108	-0.771	145	0.692	182	2.154	219	3.617		
35	-3.656	72	-2.194	109	-0.731	146	0.731	183	2.194	220	3 656		
36	-3.617	73	-2.154	110	-0.692	147	0 771	184	2.233	221	3.696		
37	-3.577	74	-2.115	111	-0.652	148	0.810	185	2.273	222	3.735		

09/27/71
1 INSTALLATION DATE SEPT. 23,1968
RESP RATE LH PILOT RH COUCH
CAL RANGE -5.00000 TO 5.00000

SC-113

HARDWARE CALIB. NO. 54402 01 00 00
SERIAL NO. NONE
=21515



EQUATION COEFFICIENTS
A_0= -5.000 E 00
A_1= 2.000 E 00

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = -5.000E 00
20% = -3.000E 00
40% = -1.000E 00
50% = 0.
60% = 1.000E 00
80% = 3.000E 00
100% = 5.000E 00

MEASUREMENT NO.
200CJ0202R01

MEAS LOADING NO.
5101994 12 29

NOMINAL IMPEDANCE DELTA (500) OHMS

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

RESP RATE LH PILOT RH COUCH

MEASUREMENT NO. 200CJ020201
VEHICLE SC-113
TRANSDUCER SERIAL NO. NONE
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/23/68

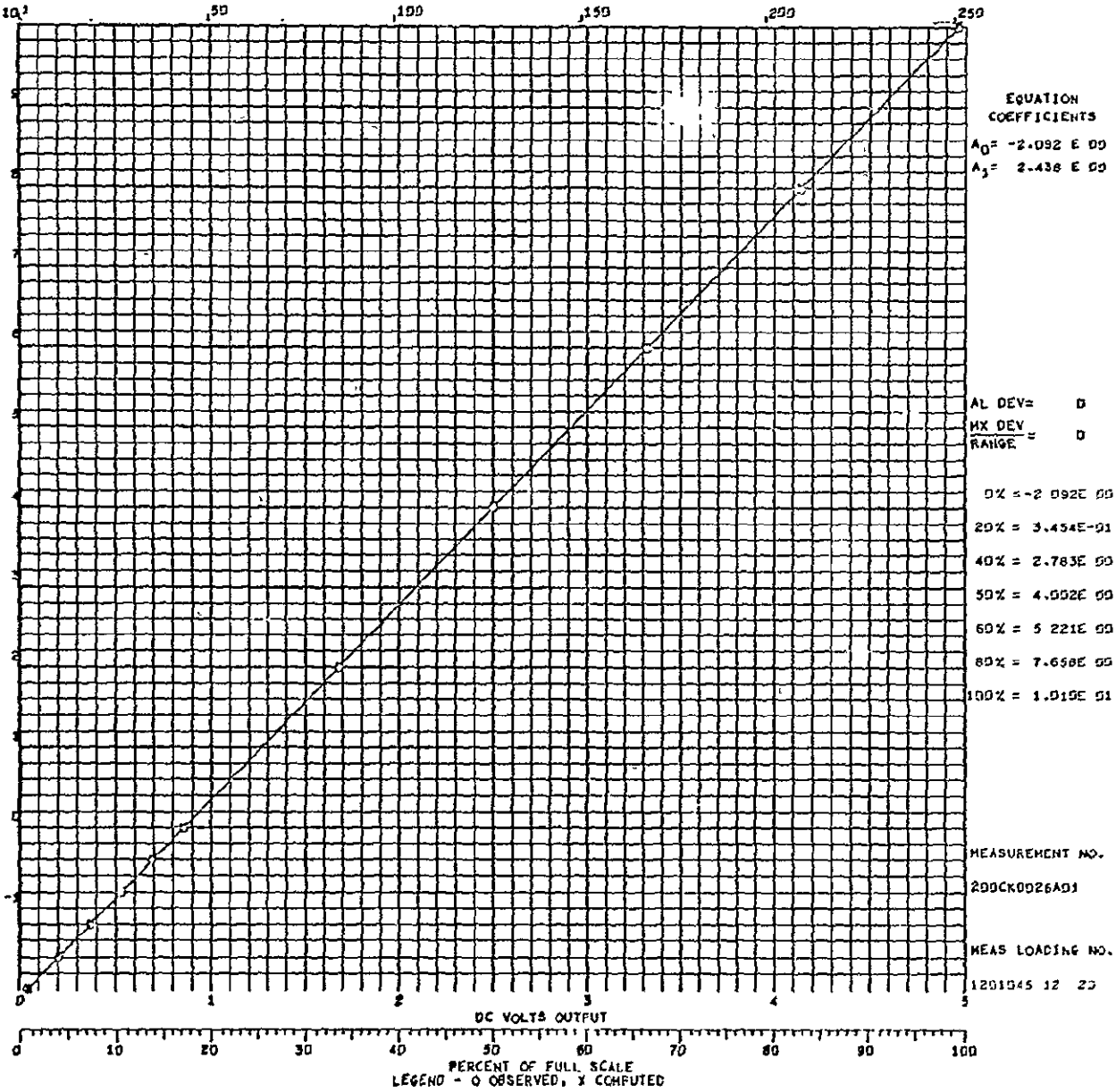
CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN	CNT	CHN
1	-5.000	38	-3.536	75	-2.075	112	-0.613	149	0.850	186	2.312	223	3.775
2	-4.960	39	-3.498	76	-2.036	113	-0.573	150	0.889	187	2.352	224	3.814
3	-4.921	40	-3.458	77	-1.996	114	-0.534	151	0.929	188	2.391	225	3.854
4	-4.881	41	-3.419	78	-1.957	115	-0.494	152	0.968	189	2.431	226	3.893
5	-4.842	42	-3.379	79	-1.917	116	-0.455	153	1.008	190	2.470	227	3.933
6	-4.802	43	-3.340	80	-1.877	117	-0.415	154	1.047	191	2.510	228	3.972
7	-4.763	44	-3.300	81	-1.838	118	-0.375	155	1.087	192	2.549	229	4.012
8	-4.723	45	-3.261	82	-1.798	119	-0.336	156	1.126	193	2.589	230	4.051
9	-4.684	46	-3.221	83	-1.759	120	-0.296	157	1.166	194	2.628	231	4.091
10	-4.644	47	-3.182	84	-1.719	121	-0.257	158	1.206	195	2.668	232	4.130
11	-4.605	48	-3.142	85	-1.680	122	-0.217	159	1.245	196	2.708	233	4.170
12	-4.565	49	-3.103	86	-1.640	123	-0.178	160	1.285	197	2.747	234	4.209
13	-4.526	50	-3.063	87	-1.601	124	-0.138	161	1.324	198	2.787	235	4.249
14	-4.486	51	-3.024	88	-1.561	125	-0.099	162	1.364	199	2.826	236	4.289
15	-4.447	52	-2.984	89	-1.522	126	-0.059	163	1.403	200	2.866	237	4.328
16	-4.407	53	-2.945	90	-1.482	127	-0.020	164	1.443	201	2.905	238	4.368
17	-4.368	54	-2.905	91	-1.443	128	0.020	165	1.482	202	2.945	239	4.407
18	-4.328	55	-2.866	92	-1.403	129	0.059	166	1.522	203	2.984	240	4.447
19	-4.289	56	-2.826	93	-1.364	130	0.099	167	1.561	204	3.024	241	4.486
20	-4.249	57	-2.787	94	-1.324	131	0.138	168	1.601	205	3.063	242	4.526
21	-4.209	58	-2.747	95	-1.285	132	0.178	169	1.640	206	3.103	243	4.565
22	-4.170	59	-2.708	96	-1.245	133	0.217	170	1.680	207	3.142	244	4.605
23	-4.130	60	-2.668	97	-1.206	134	0.257	171	1.719	208	3.182	245	4.644
24	-4.091	61	-2.628	98	-1.166	135	0.296	172	1.759	209	3.221	246	4.684
25	-4.051	62	-2.589	99	-1.126	136	0.336	173	1.798	210	3.261	247	4.723
26	-4.012	63	-2.549	100	-1.087	137	0.375	174	1.838	211	3.300	248	4.763
27	-3.972	64	-2.510	101	-1.047	138	0.415	175	1.877	212	3.340	249	4.802
28	-3.933	65	-2.470	102	-1.008	139	0.455	176	1.917	213	3.379	250	4.842
29	-3.893	66	-2.431	103	-0.968	140	0.494	177	1.957	214	3.419	251	4.881
30	-3.854	67	-2.391	104	-0.929	141	0.534	178	1.996	215	3.458	252	4.921
31	-3.814	68	-2.352	105	-0.889	142	0.573	179	2.036	216	3.498	253	4.960
32	-3.775	69	-2.312	106	-0.850	143	0.613	180	2.075	217	3.538	254	5.000
33	-3.735	70	-2.273	107	-0.810	144	0.652	181	2.115	218	3.577		
34	-3.696	71	-2.233	108	-0.771	145	0.692	182	2.154	219	3.617		
35	-3.656	72	-2.194	109	-0.731	146	0.731	183	2.194	220	3.656		
36	-3.617	73	-2.154	110	-0.692	147	0.771	184	2.233	221	3.696		
37	-3.577	74	-2.115	111	-0.652	148	0.810	185	2.273	222	3.735		

09/27/71
1 INSTALLATION DATE MARCH 26,1969
CM ACCEL X-AXIS
CAL RANGE -1.99955 TO 10.0007

SC-113

HARDWARE CALIB. NO. 44443 02 00 00
SERIAL NO. 0142

=21515



****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

CM ACCEL X-AXIS

MEASUREMENT NO. - 200K0026A01
VEHICLE -SC-113-
TRANSDUCER SERIAL NO. 6142
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/26/69

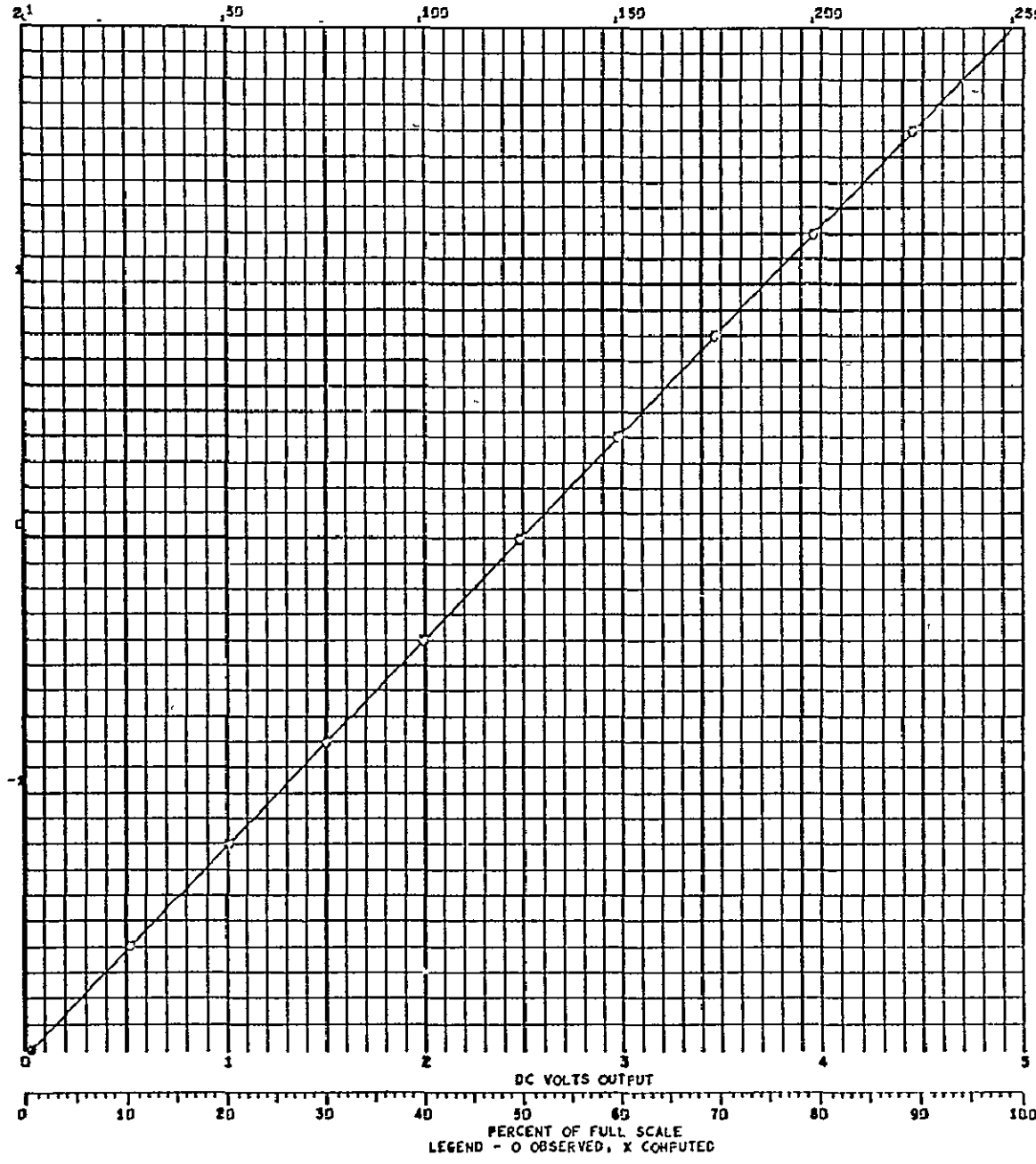
CNT	G	CNT	G	CNT	G	CNT	G	CNT	G	CNT	G	CNT	G
1	-2.092	38	-0.319	75	1.473	112	3.255	149	5 038	186	6.820	223	8.602
2	-2.044	39	-0.262	76	1.521	113	3.303	150	5.086	187	6.868	224	8.651
3	-1.996	40	-0 213	77	1.569	114	3.351	151	5.134	188	6.916	225	8.699
4	-1.948	41	-0.165	78	1:617	115	3.400	152	5.182	189	6.965	226	8.747
5	-1.899	42	-0.117	79	1 665	116	3.448	153	5.230	190	7.013	227	8 795
6	-1.851	43	-0.069	80	1.714	117	3.496	154	5.278	191	7.061	228	8.843
7	-1.803	44	-0 021	81	1.762	118	3.544	155	5.327	192	7.109	229	8.891
8	-1.755	45	0.027	82	1.810	119	3.592	156	5.375	193	7.157	230	8.940
9	-1.707	46	0.076	83	1.858	120	3 641	157	5.423	194	7 205	231	8 988
10	-1.659	47	0.124	84	1.906	121	3.689	158	5.471	195	7.254	232	9.036
11	-1.610	48	0.172	85	1.954	122	3.737	159	5.519	196	7.302	233	9.084
12	-1.562	49	0 220	86	2.003	123	3.785	160	5.567	197	7.350	234	9.132
13	-1.514	50	0.268	87	2.051	124	3.833	161	5.616	198	7.398	235	9.181
14	-1.466	51	0.317	88	2 099	125	3.881	162	5.664	199	7.446	236	9 229
15	-1.418	52	0.365	89	2.147	126	3.930	163	5.712	200	7.494	237	9.277
16	-1.370	53	0.413	90	2.195	127	3.978	164	5.760	201	7.543	238	9 325
17	-1.321	54	0.461	91	2.243	128	4.026	165	5.808	202	7.591	239	9.373
18	-1.273	55	0.509	92	2.292	129	4.074	166	5.857	203	7.639	240	9.421
19	-1.225	56	0.557	93	2.340	130	4.122	167	5.905	204	7.687	241	9.470
20	-1.177	57	0.606	94	2.388	131	4.170	168	5.953	205	7.735	242	9.518
21	-1.129	58	0.654	95	2 436	132	4.219	169	6.001	206	7.783	243	9.566
22	-1.081	59	0.702	96	2.484	133	4.267	170	6.049	207	7.832	244	9 614
23	-1.032	60	0.750	97	2.533	134	4.315	171	6.097	208	7.880	245	9.662
24	-0.984	61	0.798	98	2.581	135	4.363	172	6.146	209	7.928	246	9.710
25	-0.936	62	0 846	99	2.629	136	4.411	173	6.194	210	7.976	247	9.759
26	-0.888	63	0.895	100	2.677	137	4.459	174	6 242	211	8.024	248	9.807
27	-0.840	64	0.943	101	2.725	138	4.508	175	6.290	212	8.073	249	9.855
28	-0.791	65	0.991	102	2.773	139	4.556	176	6.338	213	8.121	250	9.903
29	-0.743	66	1.039	103	2.822	140	4.604	177	6.386	214	8.169	251	9.951
30	-0.695	67	1.087	104	2.870	141	4.652	178	6.435	215	8 217	252	9.999
31	-0.647	68	1.135	105	2.918	142	4.700	179	6.483	216	8.265	253	10.048
32	-0.599	69	1.184	106	2.966	143	4.749	180	6.531	217	8.313	254	10.096
33	-0.551	70	1.232	107	3.014	144	4.797	181	6.579	218	8.362		
34	-0.502	71	1.280	108	3.062	145	4.845	182	6.627	219	8.410		
35	-0.454	72	1.328	109	3.111	146	4.893	183	6.675	220	8.458		
36	-0.406	73	1.376	110	3.159	147	4.941	184	6.724	221	8 506		
37	-0.358	74	1.425	111	3 207	148	4.989	185	6.772	222	8 554		

09/27/71
1 INSTALLATION DATE MARCH 26,1969
CM ACCEL Y-AXIS
CAL RANGE -1.99911 TO 2.00244

SC-113

HARDWARE CALIB. NO. 75255 02 00 00
SERIAL NO. 6134

=21515



EQUATION COEFFICIENTS

A_0= -2.019 E 00
A_1= 8.135 E-01

AL DEV= 0
MX DEV / RANGE = 0

0% = -2 019E 00
20% = -1.206E 00
40% = -3.925E-01
50% = 1.427E-02
60% = 4.219E-01
80% = 1.235E 00
100% = 2 048E 00

MEASUREMENT NO.
200CK0027A01

MEAS LOADING NO.
1201047 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

ON ACCEL Y-AXIS

MEASUREMENT NO. 2000K0027A01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 6134
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/26/69

CNT	G	CNT	G	CNT	G	CNT	G	CNT	G	CNT	G	CNT	G
1	-2.019	38	-1.425	75	-0.830	112	-0.235	149	0.360	186	0.955	223	1.550
2	-2.003	39	-1.409	76	-0.814	113	-0.219	150	0.376	187	0.971	224	1.566
3	-1.987	40	-1.392	77	-0.798	114	-0.203	151	0.392	188	0.987	225	1.582
4	-1.971	41	-1.376	78	-0.782	115	-0.187	152	0.408	189	1.003	226	1.598
5	-1.955	42	-1.360	79	-0.765	116	-0.171	153	0.424	190	1.019	227	1.614
6	-1.939	43	-1.344	80	-0.749	117	-0.155	154	0.440	191	1.035	228	1.630
7	-1.923	44	-1.328	81	-0.733	118	-0.138	155	0.456	192	1 051	229	1.646
8	-1.907	45	-1.312	82	-0.717	119	-0.122	156	0.472	193	1.067	230	1.662
9	-1.891	46	-1.296	83	-0.701	120	-0.106	157	0.489	194	1.083	231	1.678
10	-1.875	47	-1.280	84	-0.685	121	-0.090	158	0.505	195	1.099	232	1 694
11	-1.859	48	-1.264	85	-0.669	122	-0.074	159	0.521	196	1.116	233	1.710
12	-1.843	49	-1.248	86	-0.653	123	-0.058	160	0.537	197	1.132	234	1.726
13	-1 827	50	-1 232	87	-0.637	124	-0.042	161	0.553	198	1.148	235	1.743
14	-1.810	51	-1.216	88	-0.621	125	-0.026	162	0.569	199	1.164	236	1.759
15	-1.794	52	-1.200	89	-0.605	126	-0.010	163	0.585	200	1.180	237	1.775
16	-1.778	53	-1.183	90	-0.589	127	0.006	164	0.601	201	1.196	238	1.791
17	-1.762	54	-1.167	91	-0.573	128	0.022	165	0.617	202	1.212	239	1.807
18	-1.746	55	-1.151	92	-0.556	129	0.038	166	0 633	203	1.228	240	1.823
19	-1.730	56	-1.135	93	-0.540	130	0.054	167	0.649	204	1.244	241	1.839
20	-1.714	57	-1.119	94	-0.524	131	0.071	168	0 665	205	1.260	242	1 855
21	-1.698	58	-1.103	95	-0.508	132	0.087	169	0.681	206	1.276	243	1.871
22	-1.682	59	-1.087	96	-0.492	133	0.103	170	0.698	207	1.292	244	1.887
23	-1.666	60	-1.071	97	-0.476	134	0.119	171	0.714	208	1.308	245	1.903
24	-1.650	61	-1.055	98	-0.460	135	0.135	172	0.730	209	1.325	246	1 919
25	-1.634	62	-1.039	99	-0.444	136	0.151	173	0.746	210	1.341	247	1.935
26	-1.618	63	-1.023	100	-0.428	137	0.167	174	0.762	211	1.357	248	1.952
27	-1.601	64	-1.007	101	-0.412	138	0.183	175	0.778	212	1.373	249	1.968
28	-1.585	65	-0.991	102	-0.396	139	0.199	176	0.794	213	1.389	250	1.984
29	-1.569	66	-0.974	103	-0.380	140	0.215	177	0.810	214	1.405	251	2.000
30	-1.553	67	-0.958	104	-0.364	141	0.231	178	0.826	215	1.421	252	2.016
31	-1.537	68	-0.942	105	-0.347	142	0.247	179	0.842	216	1.437	253	2.032
32	-1.521	69	-0.926	106	-0.331	143	0.263	180	0.858	217	1.453	254	2.048
33	-1.505	70	-0.910	107	-0.315	144	0.280	181	0.874	218	1.469		
34	-1.489	71	-0.894	108	-0.299	145	0 296	182	0.890	219	1.485		
35	-1.473	72	-0.878	109	-0.283	146	0.312	183	0.907	220	1.501		
36	-1.457	73	-0.862	110	-0.267	147	0.328	184	0.923	221	1 517		
37	-1.441	74	-0 846	111	-0.251	148	0.344	185	0.939	222	1.534		

09/27/71

1 INSTALLATION DATE MARCH 26,1969

CM ACCEL Z-AXIS

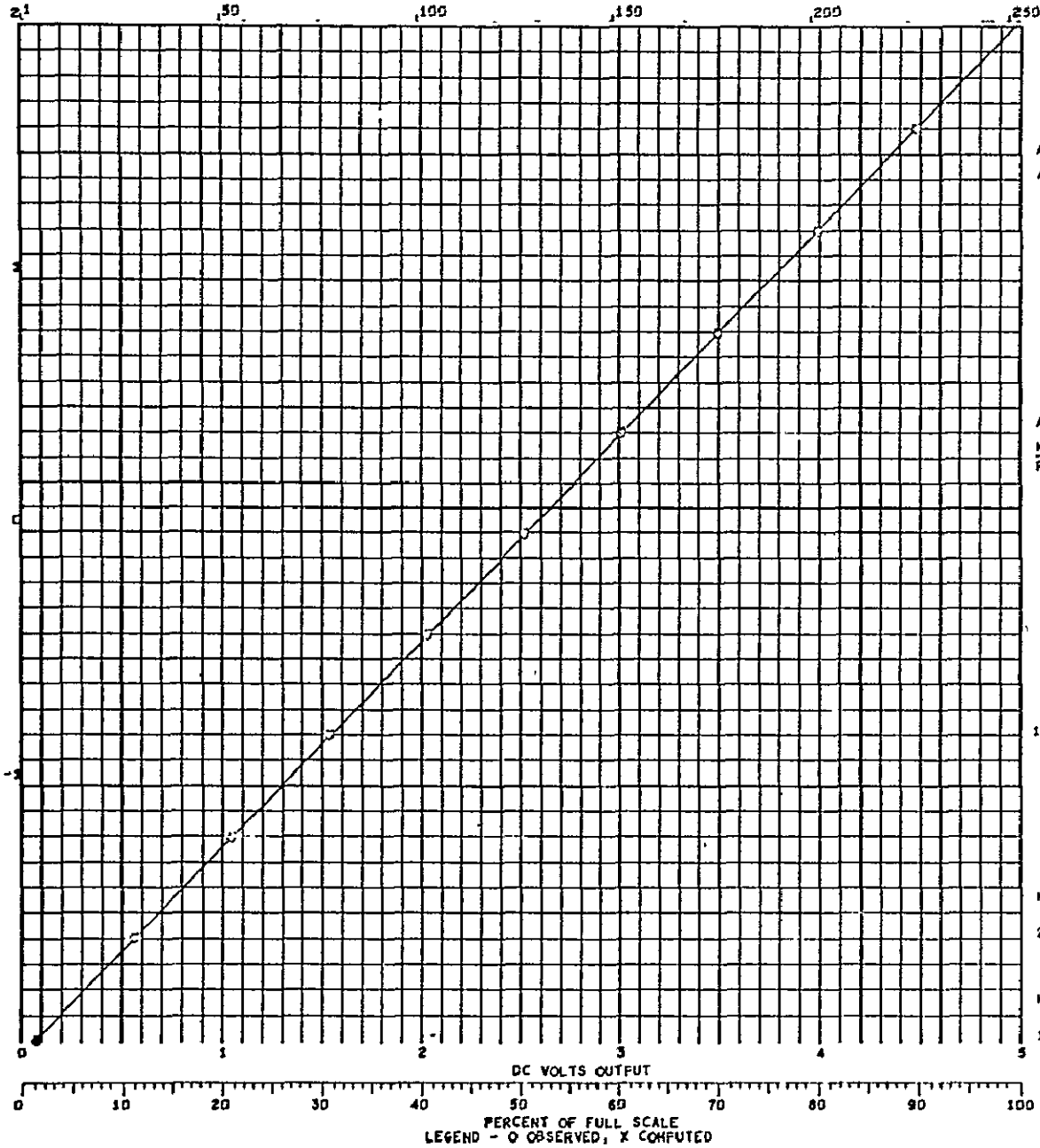
CAL RANGE -1.99885 TO 2.00256

SC-113

HARDWARE CALIB. NO. 76591 01 00 00

SERIAL NO. 6145

=21515



EQUATION COEFFICIENTS

A_0= -2.054 E 00

A_1= 8.163 E-01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -2.054E 00

20% = -1.238E 00

40% = -4 218E-01

50% = -1.365E-02

60% = 3.945E-01

80% = 1 211E 00

100% = 2.027E 00

MEASUREMENT NO.

200CK0028A01

MEAS LOADING NO.

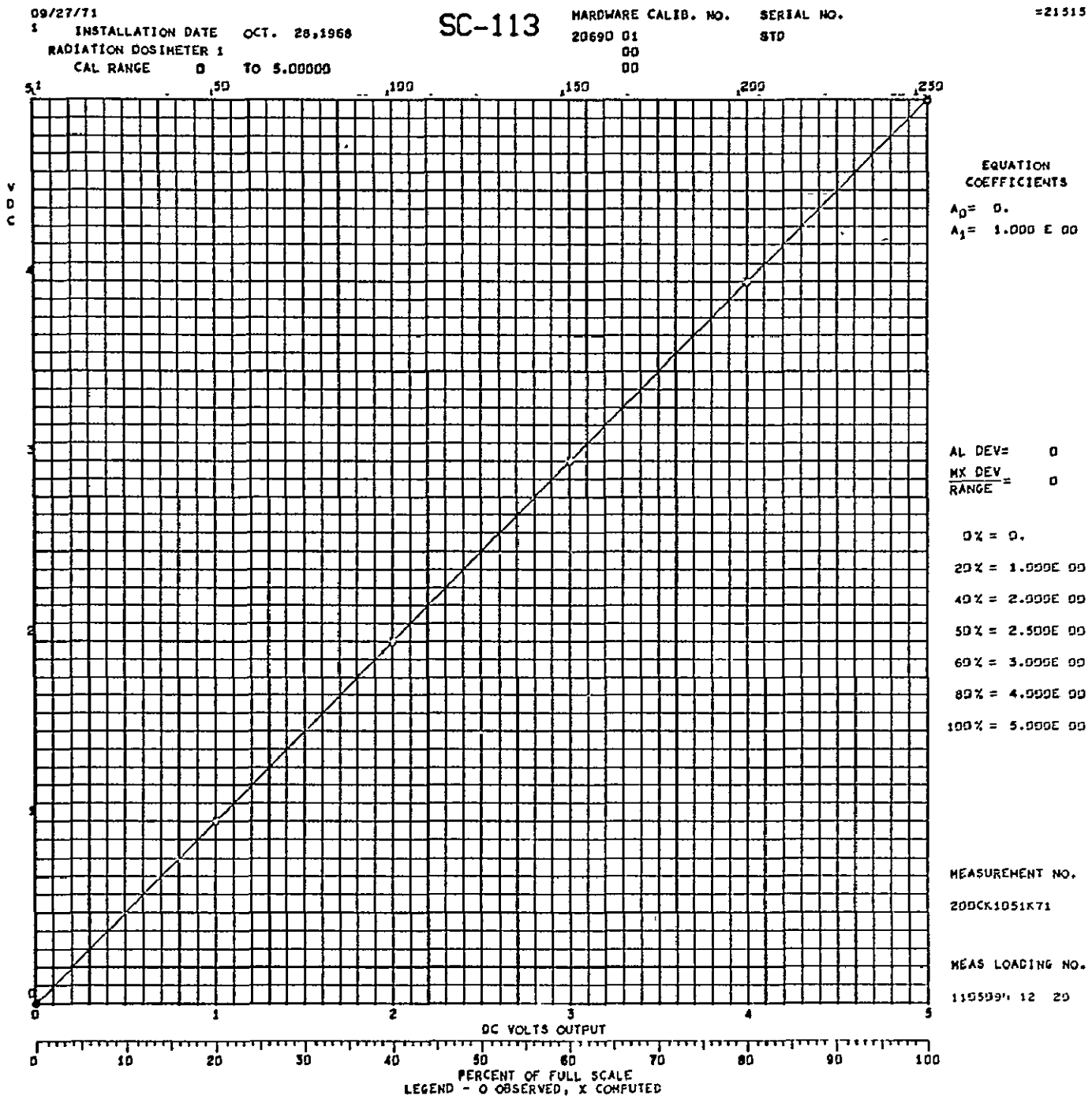
12015-8 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

ON ACCEL Z-AXIS

MEASUREMENT NO. 2500K0028A01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 6145
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/26/69

CNT	G	CNT	G	CNT	G	CNT	G	CNT	G	CNT	G	CNT	G
1	-2.054	38	-1.457	75	-0.861	112	-0.264	149	0.333	186	0.930	223	1.527
2	-2.038	39	-1.441	76	-0.844	113	-0.248	150	0.349	187	0.946	224	1.543
3	-2.022	40	-1.425	77	-0.828	114	-0.231	151	0.365	188	0.962	225	1.559
4	-2.006	41	-1.409	78	-0.812	115	-0.215	152	0.382	189	0.978	226	1.575
5	-1.990	42	-1.393	79	-0.796	116	-0.199	153	0.398	190	0.995	227	1.591
6	-1.974	43	-1.377	80	-0.780	117	-0.183	154	0.414	191	1.011	228	1.608
7	-1.958	44	-1.361	81	-0.764	118	-0.167	155	0.430	192	1.027	229	1.624
8	-1.941	45	-1.345	82	-0.748	119	-0.151	156	0.446	193	1.043	230	1.640
9	-1.925	46	-1.328	83	-0.732	120	-0.135	157	0.462	194	1 059	231	1.656
10	-1.909	47	-1.312	84	-0.715	121	-0.119	158	0.478	195	1.075	232	1.672
11	-1.893	48	-1.296	85	-0.699	122	-0.102	159	0.495	196	1.091	233	1.688
12	-1 877	49	-1.280	86	-0 683	123	-0.086	160	0.511	197	1.108	234	1.704
13	-1.861	50	-1.264	87	-0.667	124	-0.070	161	0.527	198	1.124	235	1.721
14	-1.845	51	-1.248	88	-0.651	125	-0.054	162	0.543	199	1.140	236	1.737
15	-1.829	52	-1.232	89	-0.635	126	-0.038	163	0.559	200	1.156	237	1.753
16	-1 812	53	-1.215	90	-0.619	127	-0.022	164	0.575	201	1.172	238	1.769
17	-1.796	54	-1.199	91	-0.602	128	-0.006	165	0.591	202	1.188	239	1.785
18	-1.780	55	-1.183	92	-0.586	129	0.011	166	0.607	203	1.204	240	1.801
19	-1.764	56	-1.167	93	-0.570	130	0.027	167	0.624	204	1.220	241	1.817
20	-1.748	57	-1.151	94	-0.554	131	0.043	168	0.640	205	1.237	242	1.833
21	-1.732	58	-1.135	95	-0.538	132	0.059	169	0.656	206	1.253	243	1.850
22	-1.716	59	-1.119	96	-0.522	133	0.075	170	0.672	207	1.269	244	1.866
23	-1.699	60	-1.103	97	-0.506	134	0.091	171	0.688	208	1.285	245	1.882
24	-1.683	61	-1.086	98	-0.490	135	0.107	172	0.704	209	1.301	246	1.898
25	-1.667	62	-1.070	99	-0.473	136	0.123	173	0.720	210	1.317	247	1.914
26	-1.651	63	-1.054	100	-0.457	137	0.140	174	0.736	211	1.333	248	1.930
27	-1.635	64	-1.038	101	-0.441	138	0.156	175	0.753	212	1.350	249	1.946
28	-1.619	65	-1.022	102	-0.425	139	0.172	176	0.769	213	1.366	250	1.963
29	-1.603	66	-1.006	103	-0.409	140	0.188	177	0.785	214	1.382	251	1.979
30	-1.587	67	-0.990	104	-0.393	141	0.204	178	0.801	215	1.398	252	1.995
31	-1.570	68	-0.974	105	-0.377	142	0.220	179	0.817	216	1.414	253	2.011
32	-1.554	69	-0.957	106	-0.360	143	0.236	180	0.833	217	1.430	254	2.027
33	-1.538	70	-0.941	107	-0.344	144	0.253	181	0.849	218	1.446		
34	-1.522	71	-0.925	108	-0.328	145	0.269	182	0.866	219	1.462		
35	-1.506	72	-0.909	109	-0.312	146	0 285	183	0.882	220	1 479		
36	-1.490	73	-0.893	110	-0.296	147	0.301	184	0 898	221	1.495		
37	-1.474	74	-0.877	111	-0.280	148	0.317	185	0.914	222	1.511		



STANDARD CALIBRATION - TO BE REPLACED LATER.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

RADIATION DOSIMETER 1

MEASUREMENT NO. 2000K1051K71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/28/68

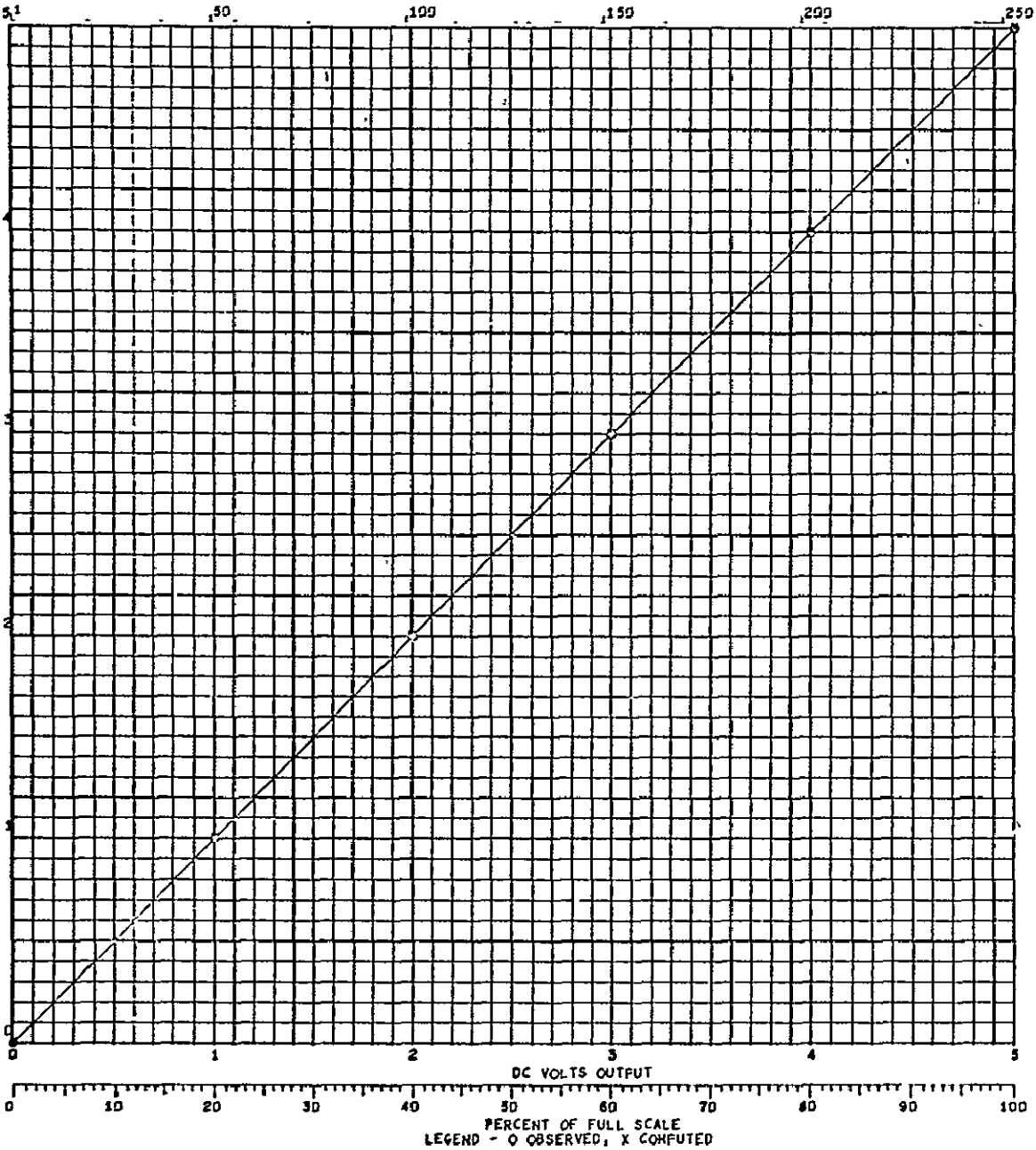
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	0.731	75	1.462	112	2.194	149	2.925	186	3.656	223	4.387
2	0.020	39	0.751	76	1.482	113	2 213	150	2.945	187	3.676	224	4.407
3	0.040	40	0.771	77	1.502	114	2.233	151	2.964	188	3.696	225	4.427
4	0 059	41	0.791	78	1.522	115	2.253	152	2.984	189	3.715	226	4.447
5	0.079	42	0.810	79	1.542	116	2.273	153	3.004	190	3.735	227	4.466
6	0.099	43	0.830	80	1.561	117	2.292	154	3.024	191	3.755	228	4.486
7	0.119	44	0.850	81	1.581	118	2.312	155	3.043	192	3.775	229	4.506
8	0.138	45	0.870	82	1.601	119	2.332	156	3.063	193	3.794	230	4.526
9	0.158	46	0.889	83	1.621	120	2.352	157	3.083	194	3.814	231	4.545
10	0.178	47	0.909	84	1.640	121	2.372	158	3.103	195	3.834	232	4.565
11	0.198	48	0.929	85	1.660	122	2.391	159	3.123	196	3.854	233	4.585
12	0.217	49	0.949	86	1.680	123	2.411	160	3.142	197	3.874	234	4.605
13	0.237	50	0.968	87	1.700	124	2.431	161	3.162	198	3.893	235	4.625
14	0.257	51	0.988	88	1.719	125	2.451	162	3.182	199	3.913	236	4.644
15	0.277	52	1.008	89	1.739	126	2.470	163	3.202	200	3.933	237	4.664
16	0.296	53	1.028	90	1.759	127	2.490	164	3.221	201	3.953	238	4.684
17	0.316	54	1.047	91	1.779	128	2.510	165	3.241	202	3.972	239	4.704
18	0.336	55	1.067	92	1.798	129	2.530	166	3.261	203	3 992	240	4.723
19	0.356	56	1.087	93	1.818	130	2.549	167	3.281	204	4.012	241	4.743
20	0.375	57	1.107	94	1.838	131	2.569	168	3.300	205	4.032	242	4.763
21	0.395	58	1.126	95	1.858	132	2.589	169	3.320	206	4 051	243	4.783
22	0.415	59	1.146	96	1.877	133	2.609	170	3.340	207	4.071	244	4.802
23	0.435	60	1.166	97	1.897	134	2.628	171	3.360	208	4.091	245	4 822
24	0.455	61	1.186	98	1.917	135	2.648	172	3.379	209	4.111	246	4.842
25	0.474	62	1.206	99	1.937	136	2 668	173	3.399	210	4.130	247	4.862
26	0.494	63	1.225	100	1.957	137	2.688	174	3.419	211	4.150	248	4.881
27	0.514	64	1.245	101	1.976	138	2.708	175	3.439	212	4.170	249	4.901
28	0.534	65	1.265	102	1.996	139	2.727	176	3.458	213	4.190	250	4.921
29	0.553	66	1.285	103	2.016	140	2.747	177	3.478	214	4.209	251	4.941
30	0.573	67	1.304	104	2.036	141	2.767	178	3.498	215	4.229	252	4.960
31	0.593	68	1.324	105	2.055	142	2.787	179	3.518	216	4.249	253	4.980
32	0.613	69	1.344	106	2.075	143	2.806	180	3.538	217	4.269	254	5.000
33	0.632	70	1.364	107	2.095	144	2.826	181	3.557	218	4 289		
34	0.652	71	1.383	108	2.115	145	2 846	182	3.577	219	4.308		
35	0.672	72	1.403	109	2.134	146	2.866	183	3.597	220	4.328		
36	0.692	73	1.423	110	2.154	147	2.885	184	3 617	221	4 348		
37	0.711	74	1.443	111	2.174	148	2.905	185	3.636	222	4.368		

09/27/71
1 INSTALLATION DATE OCT. 26,1968
RADIATION DOSIMETER 2
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. 20691 01 00 00
SERIAL NO. STD

=21515



EQUATION COEFFICIENTS

A_0= 0.
A_1= 1.000 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = 0.
20% = 1.000E 00
40% = 2.000E 00
50% = 2.500E 00
60% = 3.000E 00
80% = 4.000E 00
100% = 5.000E 00

MEASUREMENT NO.
209CK1052K71

MEAS LOADING NO.
1191058 12 2b

STANDARD CALIBRATION - TO BE REPLACED LATER.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

RADIATION DOSIMETER 2

MEASUREMENT NO. 200CK1052X71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/28/68

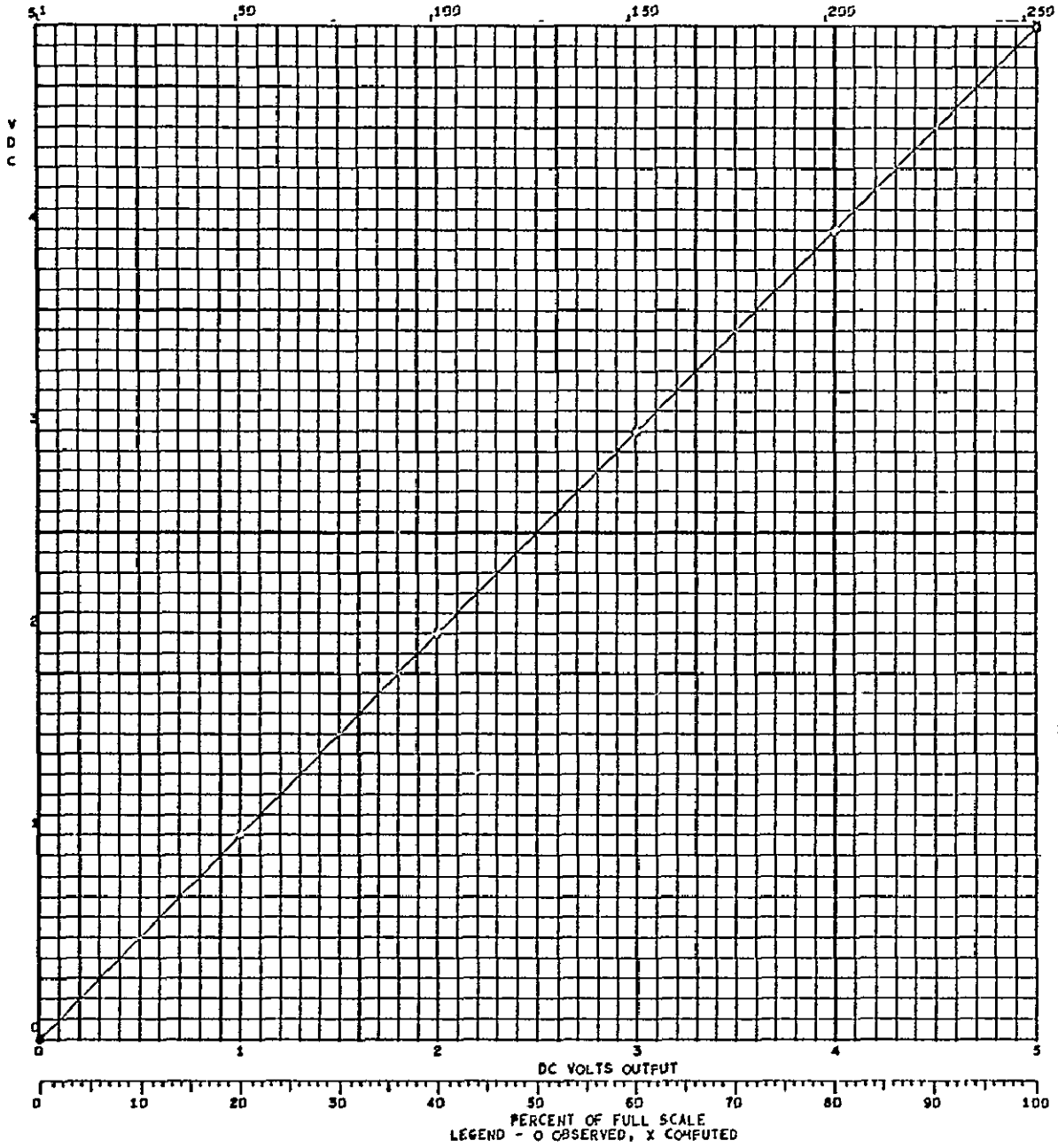
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	0.731	75	1.462	112	2.194	149	2.925	186	3.656	223	4.387
2	0.020	39	0.751	76	1.482	113	2.213	150	2.945	187	3.676	224	4.407
3	0.040	40	0.771	77	1.502	114	2.233	151	2.964	188	3.696	225	4.427
4	0.059	41	0.791	78	1.522	115	2.253	152	2.984	189	3.715	226	4.447
5	0.079	42	0.810	79	1.542	116	2.273	153	3.004	190	3.735	227	4.466
6	0.099	43	0.830	80	1.561	117	2.292	154	3.024	191	3.755	228	4.486
7	0.119	44	0.850	81	1.581	118	2.312	155	3.043	192	3.775	229	4.506
8	0.138	45	0.870	82	1.601	119	2.332	156	3.063	193	3.794	230	4.526
9	0.158	46	0.889	83	1.621	120	2.352	157	3.083	194	3.814	231	4.545
10	0.178	47	0.909	84	1.640	121	2.372	158	3.103	195	3.834	232	4.565
11	0.198	48	0.929	85	1.660	122	2.391	159	3.123	196	3.854	233	4.585
12	0.217	49	0.949	86	1.680	123	2.411	160	3.142	197	3.874	234	4.605
13	0.237	50	0.968	87	1.700	124	2.431	161	3.162	198	3.893	235	4.625
14	0.257	51	0.988	88	1.719	125	2.451	162	3.182	199	3.913	236	4.644
15	0.277	52	1.008	89	1.739	126	2.470	163	3.202	200	3.933	237	4.664
16	0.296	53	1.028	90	1.759	127	2.490	164	3.221	201	3.953	238	4.684
17	0.316	54	1.047	91	1.779	128	2.510	165	3.241	202	3.972	239	4.704
18	0.336	55	1.067	92	1.798	129	2.530	166	3.261	203	3.992	240	4.723
19	0.356	56	1.087	93	1.818	130	2.549	167	3.281	204	4.012	241	4.743
20	0.375	57	1.107	94	1.838	131	2.569	168	3.300	205	4 032	242	4.763
21	0.395	58	1.126	95	1.858	132	2.589	169	3.320	206	4.051	243	4.783
22	0.415	59	1.146	96	1.877	133	2.609	170	3.340	207	4.071	244	4.802
23	0.435	60	1.166	97	1.897	134	2.628	171	3.360	208	4.091	245	4.822
24	0.455	61	1.186	98	1.917	135	2.648	172	3.379	209	4.111	246	4.842
25	0.474	62	1.206	99	1.937	136	2.668	173	3.399	210	4.130	247	4.862
26	0.494	63	1.225	100	1.957	137	2.688	174	3.419	211	4.150	248	4.881
27	0.514	64	1.245	101	1.976	138	2.708	175	3.439	212	4.170	249	4.901
28	0.534	65	1.265	102	1.996	139	2.727	176	3.458	213	4.190	250	4.921
29	0.553	66	1.285	103	2.016	140	2.747	177	3.478	214	4.209	251	4.941
30	0.573	67	1.304	104	2.036	141	2.767	178	3.498	215	4.229	252	4.960
31	0.593	68	1.324	105	2.055	142	2.787	179	3.518	216	4.249	253	4.980
32	0.613	69	1.344	106	2.075	143	2.806	180	3.538	217	4.269	254	5.000
33	0.632	70	1.364	107	2.095	144	2.826	181	3.557	218	4.289		
34	0.652	71	1.383	108	2.115	145	2.846	182	3.577	219	4.308		
35	0.672	72	1.403	109	2.134	146	2.866	183	3.597	220	4.328		
36	0.692	73	1.423	110	2.154	147	2.885	184	3.617	221	4.348		
37	0.711	74	1.443	111	2.174	148	2.905	185	3.636	222	4.368		

09/27/71
1 INSTALLATION DATE OCT. 28,1968
DOSIMETER RATE CHANGE
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. 20692 01 00 00
SERIAL NO. STD

=21515



EQUATION COEFFICIENTS

A_0= 0.
A_1= 1.000 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = 0.
20% = 1.000E 00
40% = 2.000E 00
50% = 2.500E 00
60% = 3.000E 00
80% = 4.000E 00
100% = 5.000E 00

MEASUREMENT NO.
200CK1053R71

MEAS LOADING NO
1050084 12 20

STANDARD CALIBRATION - TO BE REPLACED LATER.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DOSIMETER RATE CHANGE

MEASUREMENT NO. 200CK1053R71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/28/68

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	0.731	75	1.462	112	2.194	149	2.925	186	3.656	223	4.387
2	0.020	39	0.751	76	1.482	113	2.213	150	2.945	187	3.676	224	4.407
3	0.040	40	0.771	77	1.502	114	2.233	151	2.964	188	3.696	225	4.427
4	0.059	41	0.791	78	1.522	115	2.253	152	2.984	189	3.715	226	4.447
5	0.079	42	0.810	79	1.542	116	2.273	153	3.004	190	3.735	227	4.466
6	0.099	43	0 830	80	1.561	117	2.292	154	3.024	191	3.755	228	4.486
7	0.119	44	0.850	81	1.581	118	2.312	155	3.043	192	3.775	229	4.506
8	0.138	45	0.870	82	1.601	119	2.332	156	3.063	193	3.794	230	4.526
9	0.158	46	0.889	83	1.621	120	2.352	157	3.083	194	3.814	231	4.545
10	0.178	47	0.909	84	1.640	121	2.372	158	3.103	195	3.834	232	4.565
11	0.198	48	0.929	85	1.660	122	2.391	159	3.123	196	3.854	233	4.585
12	0.217	49	0.949	86	1.680	123	2.411	160	3.142	197	3.874	234	4.605
13	0.237	50	0.968	87	1.700	124	2.431	161	3.162	198	3.893	235	4.625
14	0.257	51	0.988	88	1.719	125	2.451	162	3.182	199	3.913	236	4.644
15	0.277	52	1.008	89	1.739	126	2.470	163	3.202	200	3.933	237	4.664
16	0.296	53	1.028	90	1.759	127	2.490	164	3.221	201	3.953	238	4.684
17	0.316	54	1.047	91	1.779	128	2.510	165	3.241	202	3.972	239	4.704
18	0.336	55	1.067	92	1.798	129	2.530	166	3.261	203	3.992	240	4.723
19	0.356	56	1.087	93	1.818	130	2.549	167	3.281	204	4.012	241	4.743
20	0.375	57	1.107	94	1.838	131	2.569	168	3.300	205	4.032	242	4.763
21	0.395	58	1.126	95	1.858	132	2.589	169	3.320	206	4.051	243	4.783
22	0.415	59	1.146	96	1.877	133	2.609	170	3.340	207	4.071	244	4.802
23	0.435	60	1.166	97	1.897	134	2.628	171	3.360	208	4.091	245	4.822
24	0.455	61	1.186	98	1.917	135	2.648	172	3.379	209	4.111	246	4.842
25	0.474	62	1.206	99	1.937	136	2.668	173	3.399	210	4.130	247	4.862
26	0.494	63	1.225	100	1.957	137	2.688	174	3.419	211	4.150	248	4.881
27	0.514	64	1.245	101	1.976	138	2.708	175	3.439	212	4.170	249	4.901
28	0.534	65	1.265	102	1.996	139	2.727	176	3.458	213	4.190	250	4.921
29	0.553	66	1.285	103	2.016	140	2.747	177	3.478	214	4.209	251	4.941
30	0.573	67	1.304	104	2.036	141	2.767	178	3.498	215	4.229	252	4.960
31	0.593	68	1.324	105	2.055	142	2.787	179	3.518	216	4.249	253	4.980
32	0.613	69	1.344	106	2.075	143	2.806	180	3.538	217	4.269	254	5.000
33	0.632	70	1.364	107	2.095	144	2.826	181	3.557	218	4.289		
34	0.652	71	1.383	108	2.115	145	2.846	182	3.577	219	4.308		
35	0.672	72	1.403	109	2.134	146	2.866	183	3.597	220	4.328		
36	0.692	73	1.423	110	2.154	147	2.885	184	3.617	221	4.348		
37	0.711	74	1.443	111	2.174	148	2.905	185	3.636	222	4.368		

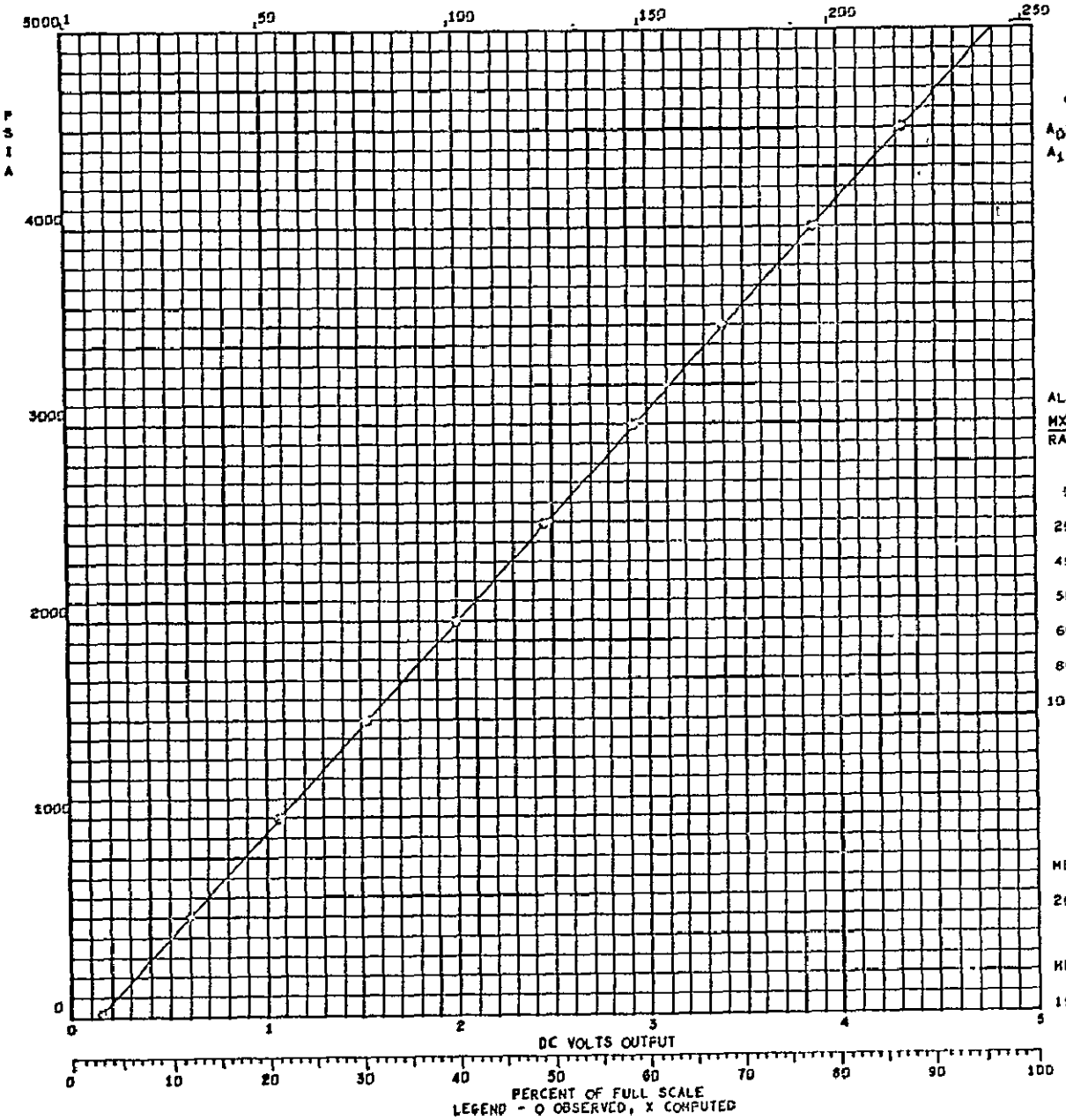
09/27/71
1 INSTALLATION DATE JUNE 13,1969
NE PRESS TANK 1
V CAL RANGE 15.0212 TO 5012.94

SC-113

HARDWARE CALIB. NO. 54751 01 00 00

SERIAL NO. 10308603271A

≠21515



EQUATION COEFFICIENTS

A_0= -1.436 E 02

A_1= 1.072 E 03

AL DEV= 0

MX DEV / RANGE = 0

0% = -1 436E 02

20% = 9.282E 02

40% = 2.009E 03

50% = 2.536E 03

60% = 3.072E 03

80% = 4.144E 03

100% = 5.216E 03

MEASUREMENT NO

200CR0001F02

MEAS LOADING NO

1996116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE PRESS TANK 1

MEASUREMENT NO. 200CR9001P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603271A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/13/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-143.609	38	640.137	75	1423.883	112	2207.629	149	2991.374	186	3775 120	223	4558 867
2	-122.427	39	661.319	76	1445.065	113	2228.811	150	3012.557	187	3796.303	224	4580.049
3	-101 244	40	682.502	77	1466.247	114	2249 993	151	3033.739	188	3817.485	225	4601.231
4	-80.062	41	703 684	78	1487.430	115	2271.176	152	3054.921	189	3838.667	226	4622.414
5	-58.880	42	724.866	79	1508 612	116	2292 358	153	3076.104	190	3859.849	227	4643.596
6	-37.697	43	746.049	80	1529.794	117	2313.540	154	3097.286	191	3881.032	228	4664.778
7	-16.515	44	767.231	81	1550.977	118	2334.723	155	3118.468	192	3902.214	229	4685.961
8	4.667	45	788.413	82	1572.159	119	2355.905	156	3139 651	193	3923.396	230	4707.143
9	25.850	46	809.596	83	1593.341	120	2377.087	157	3160.833	194	3944.579	231	4728.325
10	47.032	47	830 778	84	1614.524	121	2398.269	158	3182.015	195	3965.761	232	4749 508
11	68.214	48	851.960	85	1635.706	122	2419.452	159	3203 198	196	3986.943	233	4770 690
12	89 397	49	873 143	86	1656.888	123	2440.634	160	3224.380	197	4008.126	234	4791.872
13	110.579	50	894.325	87	1678.071	124	2461.816	161	3245.562	198	4029.308	235	4813 055
14	131.761	51	915.507	88	1699.253	125	2482.999	162	3266.745	199	4050.490	236	4834.237
15	152 944	52	936.689	89	1720 435	126	2504.181	163	3287.927	200	4071.673	237	4855.419
16	174.126	53	957.872	90	1741.618	127	2525.363	164	3309.109	201	4092.855	238	4876.602
17	195 308	54	979.054	91	1762.800	128	2546.546	165	3330 292	202	4114.037	239	4897.784
18	216.491	55	1000.236	92	1783.982	129	2567.728	166	3351.474	203	4135.220	240	4918.967
19	237.673	56	1021.419	93	1805 165	130	2588.910	167	3372.656	204	4156.402	241	4940 149
20	258.855	57	1042.601	94	1826.347	131	2610.093	168	3393.838	205	4177.584	242	4961.331
21	280.038	58	1063.783	95	1847.529	132	2631.275	169	3415.021	206	4198.767	243	4982.514
22	301 220	59	1084.966	96	1868.711	133	2652.457	170	3436.203	207	4219.949	244	5003.696
23	322.402	60	1106.148	97	1889.894	134	2673 640	171	3457.385	208	4241.131	245	5024 878
24	343 585	61	1127.330	98	1911 076	135	2694.822	172	3478.568	209	4262.314	246	5046.061
25	364.767	62	1148.513	99	1932.258	136	2716.004	173	3499.750	210	4283.496	247	5067.243
26	385 949	63	1169:695	100	1953.441	137	2737.187	174	3520.932	211	4304.678	248	5088.425
27	407.131	64	1190.877	101	1974.623	138	2758.369	175	3542.115	212	4325 861	249	5109.608
28	428.314	65	1212.060	102	1995.805	139	2779.551	176	3563.297	213	4347.043	250	5130 790
29	449 496	66	1233 242	103	2016 988	140	2800.734	177	3584.479	214	4368.225	251	5151.972
30	470.678	67	1254.424	104	2038.170	141	2821.916	178	3605.662	215	4389.408	252	5173.155
31	491 861	68	1275.607	105	2059.352	142	2843.098	179	3626.844	216	4410.590	253	5194.337
32	513 043	69	1296.789	106	2080.535	143	2864.280	180	3648 026	217	4431.773	254	5215.519
33	534 225	70	1317.971	107	2101.717	144	2885 463	181	3669.209	218	4452 955		
34	555 408	71	1339.154	108	2122.899	145	2906.645	182	3690.391	219	4474.137		
35	576.590	72	1360.336	109	2144.082	146	2927 827	183	3711 573	220	4495.320		
36	597.772	73	1381.518	110	2165.264	147	2949.010	184	3732.756	221	4516.502		
37	618 955	74	1402.700	111	2186.446	148	2970.192	185	3753.938	222	4537.684		

09/27/71

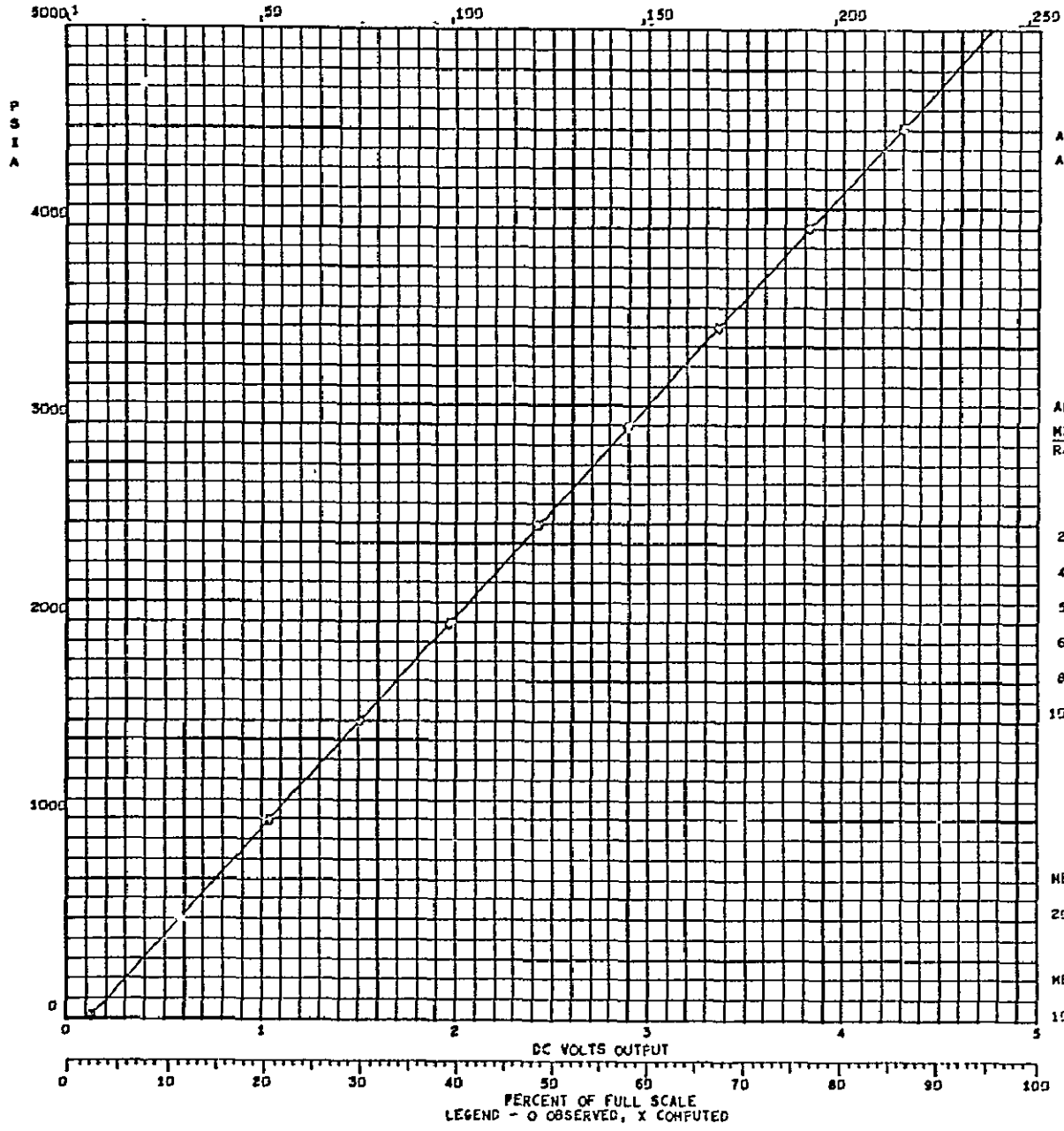
1 INSTALLATION DATE JUNE 18,1969
HE PRESS TANK 2
CAL RANGE 12.2838 TO 5010.14

SC-113

HARDWARE CALIB. NO. 54731 01 00 00

SERIAL NO. 10308603237A

=21515



EQUATION COEFFICIENTS

A_0= -1.213 E 02

A_1= 1.077 E 03

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.213E 02

20% = 9 569E 02

40% = 2.033E 03

50% = 2.572E 03

60% = 3.111E 03

80% = 4.188E 03

100% = 5.265E 03

MEASUREMENT NO.

200CR0002F02

MEAS LOADING NO.

1997116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE PRESS TANK 2

MEASUREMENT NO. 200GR0002P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603237A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-121.308	38	666.482	75	1454.273	112	2242.064	149	3029 855	186	3817.645	223	4605.437
2	-100.017	39	687.774	76	1475.565	113	2263.355	150	3051.146	187	3838.937	224	4626-728
3	-78.725	40	709 066	77	1496.856	114	2284.647	151	3072.438	188	3860.229	225	4648.020
4	-57.434	41	730.357	78	1518.148	115	2305.939	152	3093.730	189	3881.520	226	4669.312
5	-36.142	42	751.649	79	1539.440	116	2327.230	153	3115.021	190	3902.812	227	4690.603
6	-14.893	43	772.941	80	1560.731	117	2348.522	154	3136.313	191	3924.104	228	4711.895
7	6.441	44	794.232	81	1582.023	118	2369.814	155	3157.604	192	3945.395	229	4733-187
8	27.733	45	815.524	82	1603.315	119	2391.105	156	3178.896	193	3966.687	230	4754.478
9	49.025	46	836.815	83	1624.606	120	2412.397	157	3200.188	194	3987.978	231	4775.770
10	70.316	47	858.107	84	1645.898	121	2433.689	158	3221.479	195	4009.270	232	4797.062
11	91.608	48	879.399	85	1667.190	122	2454.980	159	3242.771	196	4030.562	233	4818 353
12	112.900	49	900.690	86	1688.481	123	2476.272	160	3264.063	197	4051.853	234	4839.645
13	134.191	50	921.982	87	1709.773	124	2497.564	161	3285.354	198	4073.145	235	4860-937
14	155.483	51	943 274	88	1731.064	125	2518.855	162	3306.646	199	4094 437	236	4882.228
15	176 775	52	964.565	89	1752.356	126	2540.147	163	3327.938	200	4115.728	237	4903.520
16	198.066	53	985.857	90	1773.648	127	2561.438	164	3349.229	201	4137.020	238	4924.812
17	219.358	54	1007.149	91	1794.939	128	2582.730	165	3370.521	202	4158.312	239	4946.103
18	240.649	55	1028.440	92	1816.231	129	2604.022	166	3391.813	203	4179.603	240	4967.395
19	261.941	56	1049.732	93	1837.523	130	2625.313	167	3413.104	204	4200 895	241	4988.687
20	283.233	57	1071.024	94	1858.814	131	2646.605	168	3434.396	205	4222.187	242	5009.979
21	304.524	58	1092.315	95	1880.106	132	2667.897	169	3455.687	206	4243.478	243	5031 270
22	325.816	59	1113.607	96	1901.398	133	2689.188	170	3476.979	207	4264.770	244	5052.562
23	347.108	60	1134.898	97	1922.689	134	2710.480	171	3498.271	208	4286.062	245	5073-854
24	368.399	61	1156.190	98	1943.981	135	2731.772	172	3519.562	209	4307.353	246	5095.145
25	389.691	62	1177.482	99	1965.273	136	2753.063	173	3540.854	210	4328.645	247	5116.437
26	410.983	63	1198.773	100	1986.564	137	2774.355	174	3562.146	211	4349.937	248	5137.729
27	432.274	64	1220.065	101	2007.856	138	2795.647	175	3583.437	212	4371.228	249	5159.020
28	453.566	65	1241.357	102	2029.147	139	2816.938	176	3604.729	213	4392.520	250	5180 312
29	474.858	66	1262.648	103	2050.439	140	2838.230	177	3626 021	214	4413.812	251	5201.604
30	496.149	67	1283.940	104	2071.731	141	2859.521	178	3647.312	215	4435.103	252	5222.895
31	517.441	68	1305.232	105	2093.022	142	2880.813	179	3668.604	216	4456.395	253	5244.187
32	538.733	69	1326.523	106	2114.314	143	2902.105	180	3689.896	217	4477.687	254	5265.479
33	560.024	70	1347.815	107	2135 606	144	2923.396	181	3711.187	218	4498.978		
34	581.316	71	1369.107	108	2156 897	145	2944.688	182	3732.479	219	4520.270		
35	602.607	72	1390.398	109	2178.189	146	2965.980	183	3753.770	220	4541.562		
36	623.899	73	1411.690	110	2199.481	147	2987.271	184	3775.062	221	4562.853		
37	645.191	74	1432.981	111	2220.772	148	3008.563	185	3796.354	222	4584 145		

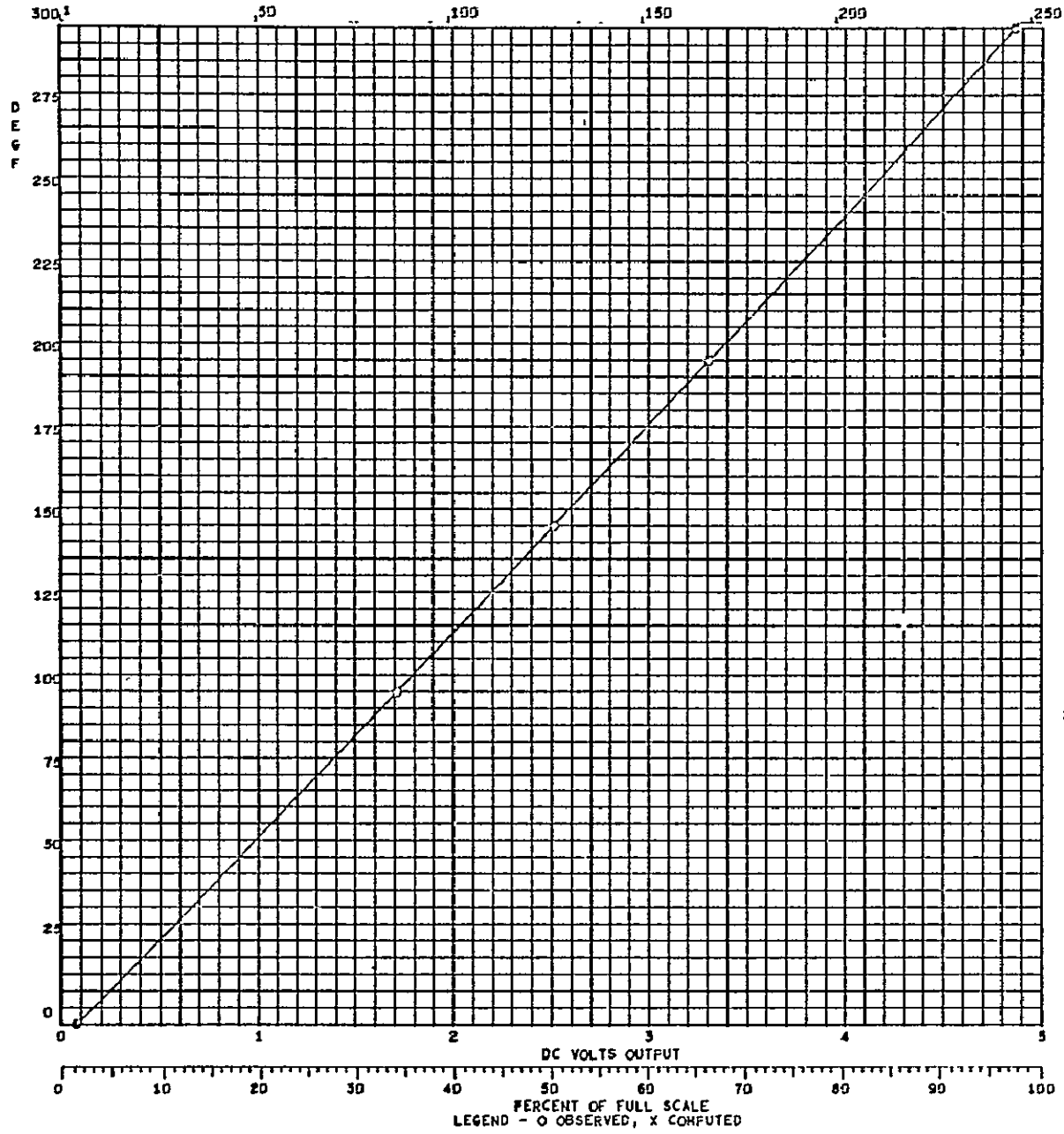
09/27/71
4 INSTALLATION DATE JUNE 18,1969
HE TEMP TANK 1
CAL RANGE -.000005 TO 300.000

SC-113

HARDWARE CALIB. NO. 80069 04 00 00

SERIAL NO. 10095432127A

=21515



EQUATION COEFFICIENTS

A_0= -4.203 E 00
A_1= 5.852 E 01
A_2= 2.100 E 00
A_3= -5.096 E-01
A_4= 5.162 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = -4.283E 00
20% = 5.588E 01
40% = 1.179E 02
50% = 1.492E 02
60% = 1.806E 02
80% = 2.440E 02
100% = 3.094E 02

MEASUREMENT NO

200CR0003T02

MEAS LOADING NO.

1195042 12 20

5 257

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE TEMP TANK 1

MEASUREMENT NO. 200CR0003T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095432127A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	-4.283	38	39.444	75	84 427	112	130.003	149	175.861	186	222.045	223	268.955
2	-3.125	39	40 647	76	85.654	113	131.239	150	177.104	187	223.301	224	270.239
3	-1.967	40	41.851	77	86.880	114	132.476	151	178.347	188	224.557	225	271.524
4	-0.806	41	43.056	78	88.107	115	133.712	152	179.590	189	225.814	226	272.810
5	0.356	42	44.261	79	89.335	116	134.949	153	180.834	190	227.071	227	274.098
6	1.520	43	45.468	80	90.562	117	136.186	154	182.078	191	228.329	228	275.386
7	2.685	44	46.675	81	91.790	118	137.423	155	183.322	192	229.588	229	276.676
8	3.851	45	47.883	82	93.019	119	138.661	156	184.566	193	230.847	230	277.967
9	5.019	46	49.092	83	94.248	120	139.898	157	185.811	194	232.106	231	279.259
10	6.189	47	50.302	84	95.477	121	141.136	158	187.056	195	233.366	232	280 552
11	7.360	48	51.512	85	96.706	122	142.374	159	188.301	196	234.627	233	281.847
12	8.532	49	52.723	86	97.936	123	143.612	160	189.546	197	235.888	234	283.142
13	9.706	50	53.935	87	99.166	124	144.850	161	190.792	198	237.151	235	284.439
14	10.881	51	55.148	88	100.396	125	146.088	162	192.038	199	238.413	236	285.738
15	12.058	52	56.361	89	101.627	126	147.327	163	193.284	200	239.677	237	287.037
16	13.236	53	57.575	90	102.858	127	148.566	164	194.531	201	240 941	238	288.338
17	14.415	54	58.789	91	104.089	128	149.804	165	195.777	202	242.206	239	289.641
18	15.595	55	60.004	92	105.321	129	151.043	166	197.025	203	243.471	240	290.944
19	16.777	56	61.220	93	106.553	130	152.283	167	198.272	204	244.737	241	292.249
20	17.960	57	62.437	94	107.785	131	153.522	168	199.520	205	246.004	242	293.556
21	19.144	58	63.654	95	109.017	132	154.762	169	200.768	206	247.272	243	294.864
22	20.330	59	64.872	96	110.250	133	156.001	170	202.016	207	248.540	244	296.173
23	21.516	60	66.090	97	111.483	134	157.241	171	203.265	208	249.810	245	297.484
24	22.704	61	67.309	98	112.716	135	158.481	172	204.514	209	251.080	246	298.797
25	23.893	62	68.528	99	113.949	136	159.721	173	205.764	210	252.351	247	300.110
26	25.083	63	69.748	100	115.183	137	160.962	174	207.014	211	253.623	248	301.426
27	26.274	64	70.969	101	116.417	138	162.202	175	208.264	212	254.895	249	302.743
28	27.466	65	72.190	102	117.651	139	163.443	176	209.515	213	256.169	250	304.062
29	28.659	66	73.412	103	118.885	140	164.684	177	210.766	214	257.443	251	305.382
30	29.854	67	74.634	104	120 120	141	165.925	178	212.017	215	258.718	252	306.704
31	31.049	68	75.856	105	121.355	142	167.166	179	213.269	216	259.994	253	308.027
32	32.245	69	77.079	106	122.589	143	168.408	180	214.522	217	261.271	254	309.353
33	33.443	70	78.303	107	123.825	144	169.650	181	215.774	218	262.550		
34	34.641	71	79 527	108	125 060	145	170.891	182	217.028	219	263 829		
35	35.841	72	80.751	109	126.295	146	172.134	183	218.281	220	265.109		
36	37.041	73	81.976	110	127.531	147	173.376	184	219.536	221	266.390		
37	38 242	74	83.202	111	128.767	148	174.618	185	220.790	222	267.672		

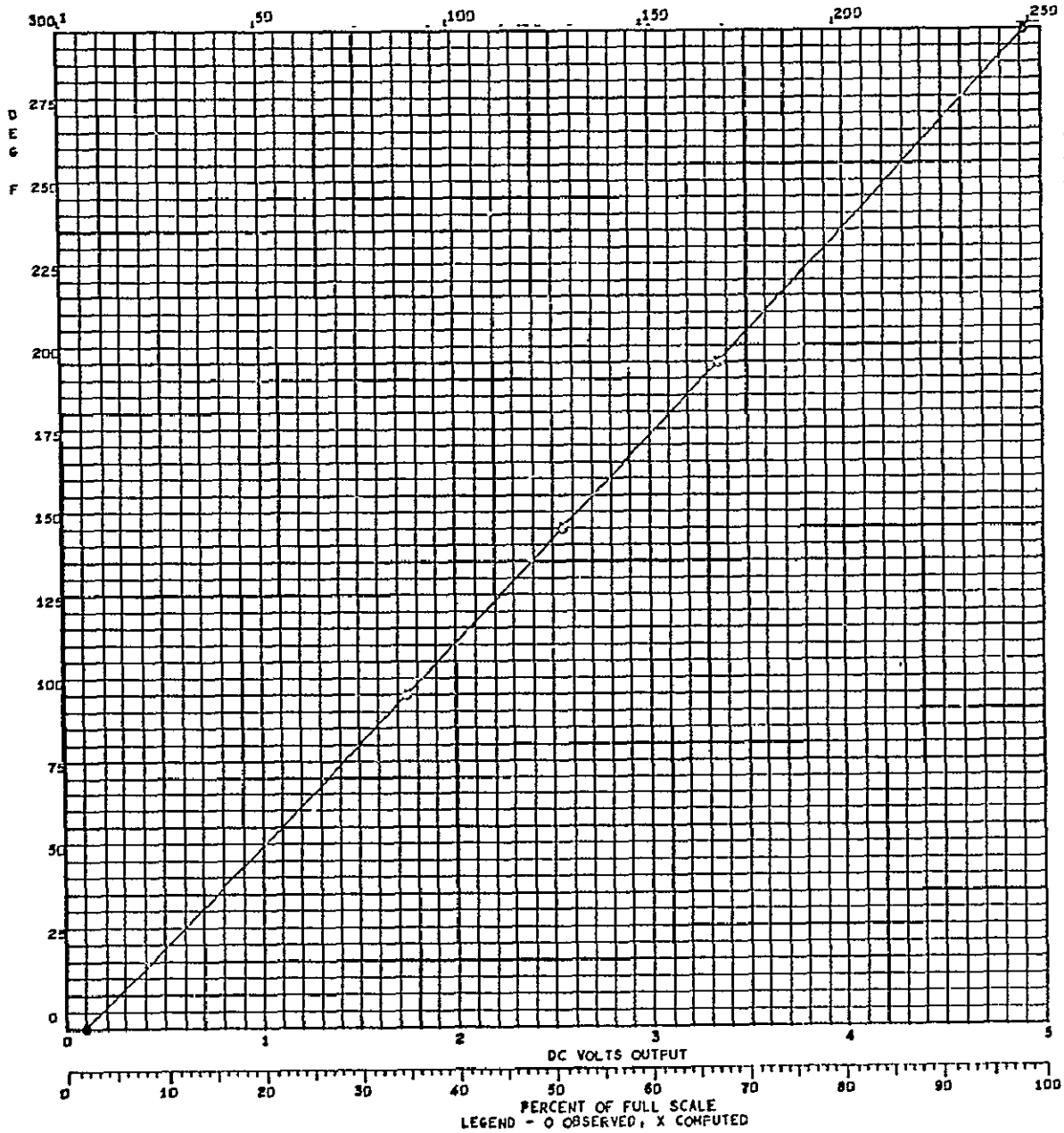
09/27/71
4 INSTALLATION DATE JUNE 13,1969
HE TEMP TANK 2
CAL RANGE -.000000 TO 299.999

SC-113

HARDWARE CALIB. NO. 04365 03 00 00

SERIAL NO. 10095411078A

=21515



EQUATION COEFFICIENTS

A_0= -5.373 E 00
A_1= 5.755 E 01
A_2= 2.442 E 00
A_3= -5.916 E-01
A_4= 5.742 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -5.373E 00
20% = 5.408E 01
40% = 1.157E 02
50% = 1.468E 02
60% = 1 779E 02
80% = 2.407E 02
100% = 3.054E 02

MEASUREMENT NO

200CR0004T02

MEAS LOADING NO.

1105043 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE TEMP TANK 2

MEASUREMENT NO. 200CR0004T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095411878A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/13/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-5 373	38	37 600	75	82 426	112	127.708	149	173.243	186	219 023	223	265.433
2	-4 235	39	38.992	76	83 644	113	128 936	150	174.477	187	220 267	224	266.702
3	-3 094	40	40.184	77	84.862	114	130.165	151	175.719	188	221 519	225	267.973
4	-1.952	41	41.378	78	86.081	115	131.393	152	176.944	189	222 755	226	269.244
5	-0.808	42	42 572	79	87.300	116	132.622	153	178.177	190	224 000	227	270 517
6	0 337	43	43.767	80	88.520	117	133.851	154	179 411	191	225 245	228	271.790
7	1.485	44	44.964	81	89.740	118	135.080	155	180.645	192	226 491	229	273 065
8	2 634	45	46.161	82	90.960	119	136.309	156	181.879	193	227 737	230	274.341
9	3.785	46	47.359	83	92.181	120	137.538	157	183.114	194	228 984	231	275.618
10	4.937	47	48.558	84	93.402	121	138.768	158	184.348	195	230.231	232	276 895
11	6 092	48	49.758	85	94.624	122	139.997	159	185 583	196	231.479	233	278 176
12	7.248	49	50.959	86	95.845	123	141.227	160	186 818	197	232 727	234	279.456
13	8.405	50	52.161	87	97.068	124	142 457	161	188.053	198	233 976	235	280 738
14	9.564	51	53.363	88	98.290	125	143.687	162	189.289	199	235 226	236	282 021
15	10.725	52	54.566	89	99.513	126	144.917	163	190.525	200	236.476	237	283.306
16	11.887	53	55.770	90	100 736	127	146.147	164	191.760	201	237.727	238	284 591
17	13.051	54	56.975	91	101.960	128	147.377	165	192.997	202	238.978	239	285.878
18	14.216	55	58.181	92	103.183	129	148 608	166	194.233	203	240.230	240	287 167
19	15.383	56	59.387	93	104.407	130	149.839	167	195.470	204	241.483	241	288.456
20	16.551	57	60.594	94	105.632	131	151.069	168	196.706	205	242.737	242	289.747
21	17.721	58	61.802	95	106 856	132	152.300	169	197.944	206	243.991	243	291.040
22	18 892	59	63.010	96	108.081	133	153.531	170	199.181	207	245.246	244	292.334
23	20 064	60	64.219	97	109.306	134	154.762	171	200.419	208	246.501	245	293.629
24	21 238	61	65.429	98	110.531	135	155.993	172	201.657	209	247.757	246	294.926
25	22.413	62	66.639	99	111.757	136	157.225	173	202 895	210	249.014	247	296 224
26	23 589	63	67.850	100	112.983	137	158.456	174	204.133	211	250 272	248	297.524
27	24 767	64	69 062	101	114.209	138	159.688	175	205 372	212	251.531	249	298.826
28	25.946	65	70.274	102	115.435	139	160.919	176	206 611	213	252 790	250	300.129
29	27.126	66	71 487	103	116:661	140	162.151	177	207 851	214	254.051	251	301.433
30	28.307	67	72.700	104	117.888	141	163.383	178	209.091	215	255 312	252	302.739
31	29.490	68	73 914	105	119.115	142	164.615	179	210.331	216	256.574	253	304.047
32	30.674	69	75.129	106	120.342	143	165.847	180	211.572	217	257.836	254	305.357
33	31.859	70	76 344	107	121 569	144	167.080	181	212.813	218	259.100		
34	33.045	71	77.559	108	122.797	145	168.312	182	214.054	219	260 365		
35	34.232	72	78.775	109	124.024	146	169.545	183	215.296	220	261.630		
36	35.420	73	79.992	110	125.252	147	170.777	184	216.538	221	262 897		
37	36.610	74	81 209	111	126 480	148	172 010	185	217.780	222	264.164		

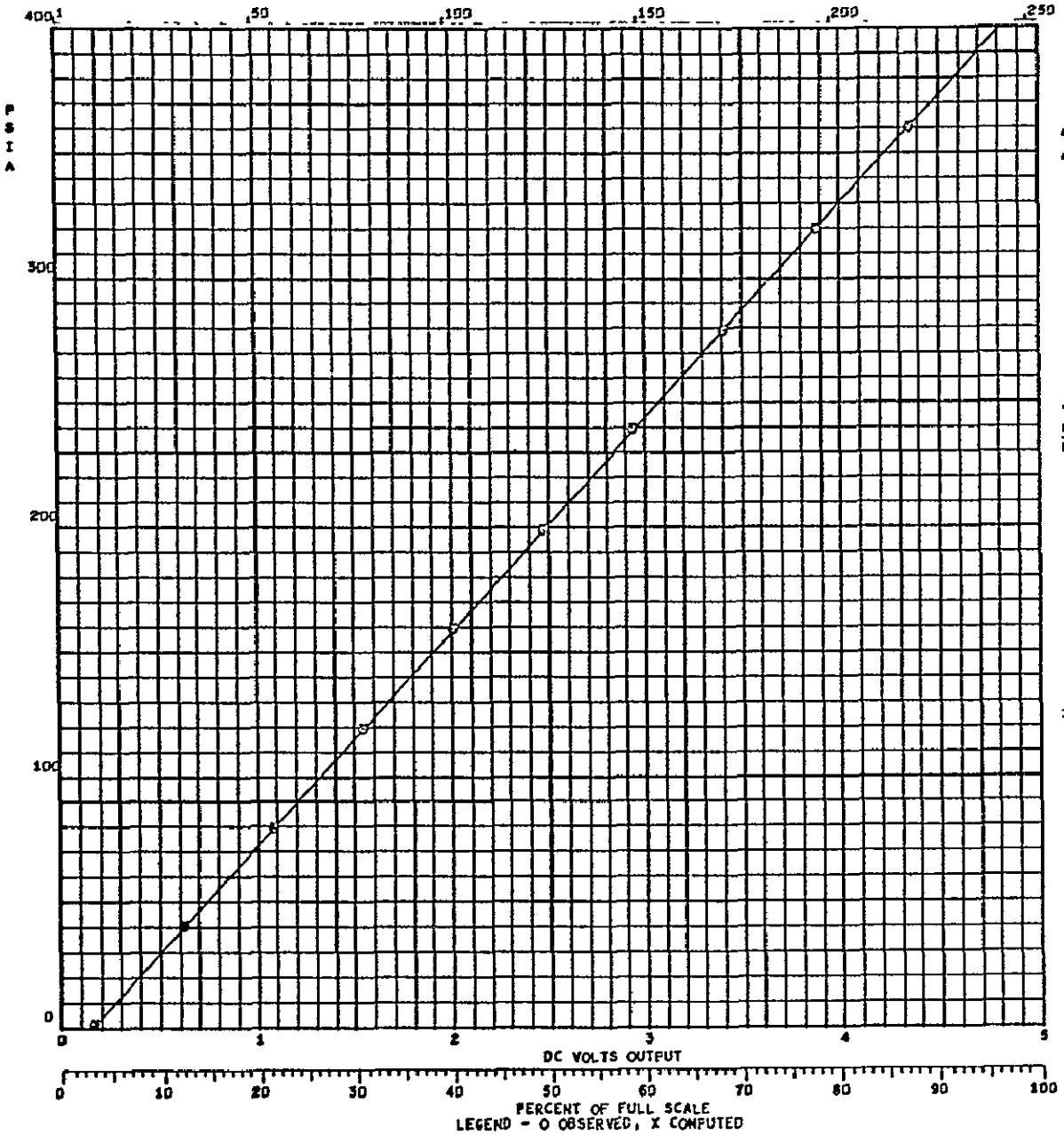
09/27/71
1 INSTALLATION DATE JUNE 18,1969
PRESS CM-RCS HE MANIFOLD 1
CAL RANGE 1.38755 TO 401.202

SC-113

HARDWARE CALIB. NO. 77295 01 00 00

SERIAL NO. 10308603143A

=21515



EQUATION COEFFICIENTS

A_0= -1.268 E 01

A_1= 8.380 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0 % = -1.268E 01

20 % = 7.311E 01

40 % = 1.589E 02

50 % = 2.018E 02

60 % = 2.447E 02

80 % = 3.305E 02

100 % = 4.163E 02

MEASUREMENT NO.

200CRD035F02

MEAS LOADING NO.

1101075 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS CH-RCS HE MANIFOLD 1

MEASUREMENT NO. 200CR0035P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603143A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-12.683	38	50.054	75	112.791	112	175.528	149	238.265	186	301.002	223	363.739
2	-10.988	39	51.749	76	114.486	113	177.223	150	239.960	187	302.697	224	365.434
3	-9.292	40	53.445	77	116.182	114	178.919	151	241.656	188	304.393	225	367.130
4	-7.596	41	55.141	78	117.878	115	180.615	152	243.352	189	306 089	226	368.826
5	-5.901	42	56.836	79	119.573	116	182.310	153	245.047	190	307.784	227	370.521
6	-4.205	43	58.532	80	121.269	117	184.006	154	246.743	191	309.480	228	372.217
7	-2.510	44	60 227	81	122.964	118	185.701	155	248.438	192	311.175	229	373.912
8	-0.814	45	61.923	82	124.660	119	187.397	156	250.134	193	312 871	230	375.608
9	0.882	46	63.619	83	126.356	120	189.093	157	251.830	194	314.567	231	377.304
10	2.577	47	65 314	84	128.051	121	190.788	158	253.525	195	316.262	232	378.999
11	4.273	48	67.010	85	129.747	122	192.484	159	255 221	196	317.958	233	380.695
12	5.968	49	68.705	86	131.442	123	194.179	160	256.916	197	319.653	234	382.390
13	7.664	50	70.401	87	133.138	124	195.875	161	258.612	198	321.349	235	384.086
14	9.360	51	72.097	88	134.834	125	197.571	162	260.307	199	323.044	236	385.782
15	11.055	52	73.792	89	136.529	126	199 266	163	262.003	200	324.740	237	387.477
16	12.751	53	75.488	90	138.225	127	200.962	164	263.699	201	326.436	238	389.173
17	14.446	54	77.183	91	139.920	128	202.657	165	265.394	202	328.131	239	390.868
18	16.142	55	78.879	92	141.616	129	204.353	166	267.090	203	329.827	240	392.564
19	17.838	56	80.575	93	143.311	130	206.048	167	268.785	204	331.522	241	394.260
20	19.533	57	82.270	94	145.007	131	207.744	168	270.481	205	333.218	242	395.955
21	21.229	58	83.966	95	146.703	132	209.440	169	272.177	206	334.914	243	397.651
22	22.924	59	85.661	96	148.398	133	211.135	170	273.872	207	336.609	244	399.346
23	24.620	60	87.357	97	150.094	134	212.831	171	275.568	208	338.305	245	401.042
24	26.316	61	89.052	98	151.789	135	214.526	172	277.263	209	340.000	246	402.738
25	28.011	62	90.748	99	153.485	136	216.222	173	278.959	210	341.696	247	404.433
26	29.707	63	92.444	100	155.181	137	217.918	174	280.655	211	343.392	248	406.129
27	31.402	64	94.139	101	156.876	138	219.613	175	282.350	212	345.087	249	407.824
28	33.098	65	95.835	102	158.572	139	221.309	176	284.046	213	346.783	250	409.520
29	34.793	66	97.530	103	160.267	140	223.004	177	285.741	214	348.478	251	411.215
30	36.489	67	99.226	104	161.963	141	224.700	178	287.437	215	350.174	252	412.911
31	38.185	68	100.922	105	163.659	142	226.396	179	289.133	216	351.870	253	414.607
32	39.880	69	102.617	106	165.354	143	228.091	180	290.828	217	353.565	254	416.302
33	41.576	70	104.313	107	167.050	144	229.787	181	292.524	218	355.261		
34	43.271	71	106.008	108	168.745	145	231.482	182	294.219	219	356.956		
35	44.967	72	107.704	109	170.441	146	233.178	183	295.915	220	358.652		
36	46.663	73	109.400	110	172 137	147	234.874	184	297.611	221	360.348		
37	48.358	74	111.095	111	173.832	148	236.569	185	299.306	222	362.043		

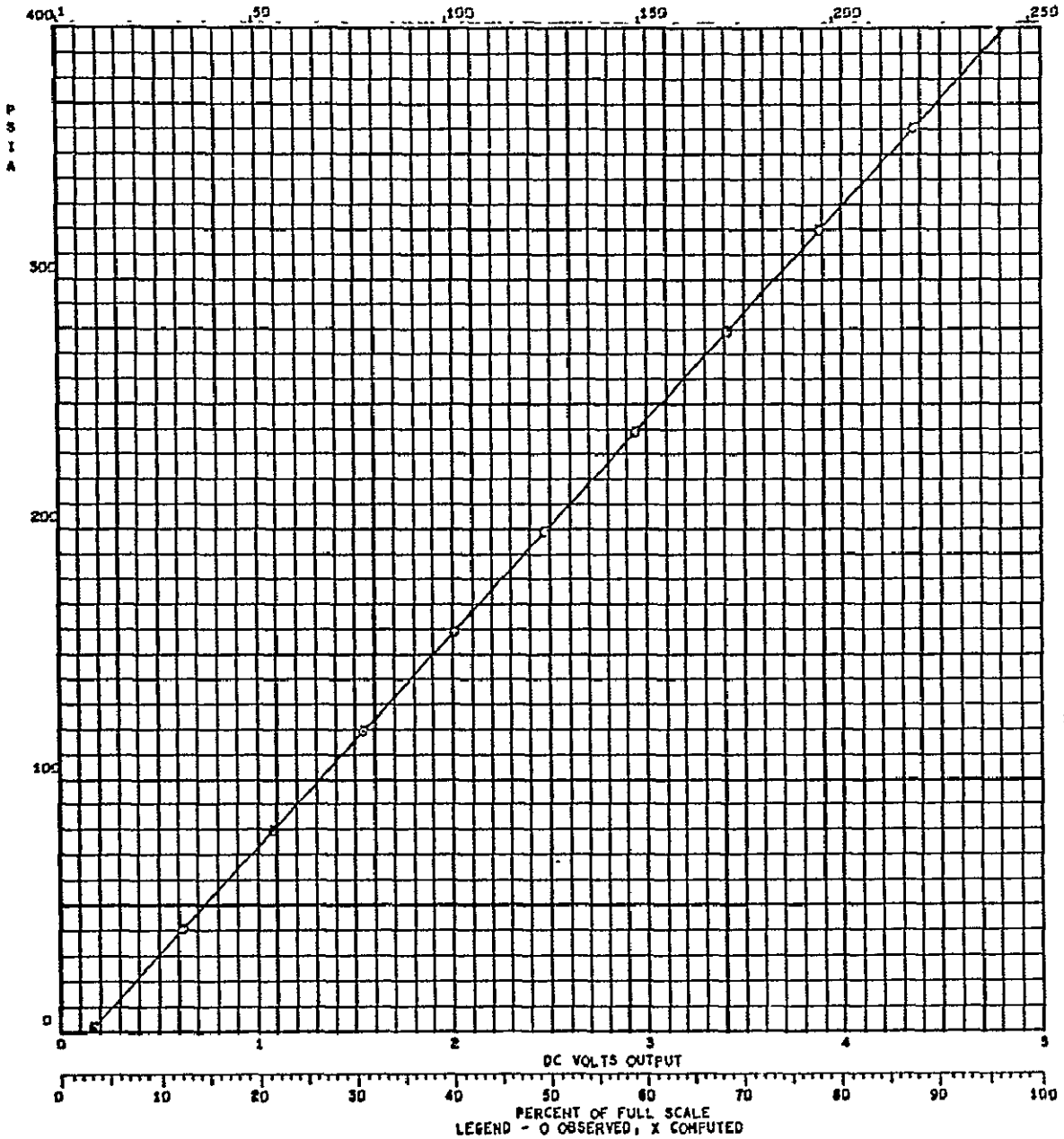
09/27/71
1 INSTALLATION DATE JUNE 18,1969
PRESS CM-RCS HE MANIFOLD 2
CAL RANGE 1.67467 TO 401.421

SC-113

HARDWARE CALIB. NO. 54765 01 00 00

SERIAL NO. 10308603165A

=21315



EQUATION COEFFICIENTS

A_0= -1.236 E 01

A_1= 8.556 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.236E 01

20% = 7.320E 01

40% = 1.588E 02

50% = 2.015E 02

60% = 2.443E 02

80% = 3.299E 02

100% = 4.155E 02

MEASUREMENT NO.

200CR0036F02

MEAS LOADING NO.

1101076 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS CH-RCS HE MANIFOLD 2

MEASUREMENT NO. 200CR0036P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603165A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-12.358	38	50 208	75	112.773	112	175.338	149	237.903	186	300.469	223	363.034
2	-10.667	39	51.899	76	114.464	113	177.029	150	239.594	187	302.160	224	364.725
3	-8.976	40	53.590	77	116.155	114	178.720	151	241.285	188	303.850	225	366.416
4	-7.285	41	55.281	78	117.846	115	180.411	152	242.976	189	305.541	226	368.107
5	-5.594	42	56.972	79	119.537	116	182.102	153	244.667	190	307.232	227	369.798
6	-3.903	43	58.662	80	121.228	117	183.793	154	246.358	191	308.923	228	371.489
7	-2.212	44	60.353	81	122.919	118	185.484	155	248.049	192	310 614	229	373.180
8	-0.521	45	62.044	82	124.610	119	187.175	156	249.740	193	312.305	230	374.870
9	1.170	46	63.735	83	126.301	120	188.866	157	251.431	194	313.996	231	376.561
10	2.861	47	65.426	84	127.991	121	190.557	158	253.122	195	315.687	232	378.252
11	4.552	48	67.117	85	129.682	122	192.248	159	254.813	196	317.378	233	379.943
12	6.243	49	68.808	86	131.373	123	193.939	160	256.504	197	319.069	234	381.634
13	7.934	50	70.499	87	133.064	124	195.630	161	258.195	198	320.760	235	383.325
14	9.625	51	72.190	88	134.755	125	197.320	162	259 886	199	322.451	236	385.016
15	11.316	52	73.881	89	136.446	126	199.011	163	261.577	200	324.142	237	386.707
16	13.007	53	75.572	90	138.137	127	200.702	164	263.268	201	325 833	238	388.398
17	14.698	54	77.263	91	139.828	128	202.393	165	264.959	202	327.524	239	390.089
18	16.389	55	78.954	92	141.519	129	204.084	166	266 650	203	329.215	240	391.780
19	18.080	56	80 645	93	143.210	130	205.775	167	268.340	204	330.906	241	393.471
20	19.771	57	82.336	94	144.901	131	207.466	168	270.031	205	332.597	242	395.162
21	21.462	58	84.027	95	146.592	132	209.157	169	271.722	206	334.288	243	396.853
22	23.152	59	85.718	96	148.283	133	210.848	170	273.413	207	335.979	244	398.544
23	24.843	60	87.409	97	149.974	134	212.539	171	275.104	208	337.669	245	400.235
24	26.534	61	89.100	98	151.665	135	214.230	172	276.795	209	339.360	246	401.926
25	28.225	62	90.791	99	153.356	136	215.921	173	278.486	210	341.051	247	403 617
26	29.916	63	92.481	100	155.047	137	217.612	174	280.177	211	342.742	248	405.308
27	31.607	64	94.172	101	156.738	138	219.303	175	281.868	212	344.433	249	406.999
28	33.298	65	95.863	102	158.429	139	220.994	176	283.559	213	346.124	250	408.690
29	34.989	66	97.554	103	160.120	140	222.685	177	285.250	214	347.815	251	410.381
30	36.680	67	99.245	104	161.811	141	224.376	178	286.941	215	349.506	252	412.071
31	38.371	68	100.936	105	163.501	142	226.067	179	288.632	216	351.197	253	413.762
32	40.062	69	102 627	106	165.192	143	227.758	180	290.323	217	352.888	254	415.453
33	41.753	70	104.318	107	166.883	144	229.449	181	292.014	218	354.579		
34	43.444	71	106.009	108	168.574	145	231.140	182	293.705	219	356.270		
35	45.135	72	107.700	109	170.265	146	232.830	183	295.396	220	357.961		
36	46.826	73	109.391	110	171.956	147	234.521	184	297.087	221	359.652		
37	48.517	74	111.082	111	173.647	148	236.212	185	298.778	222	361.343		

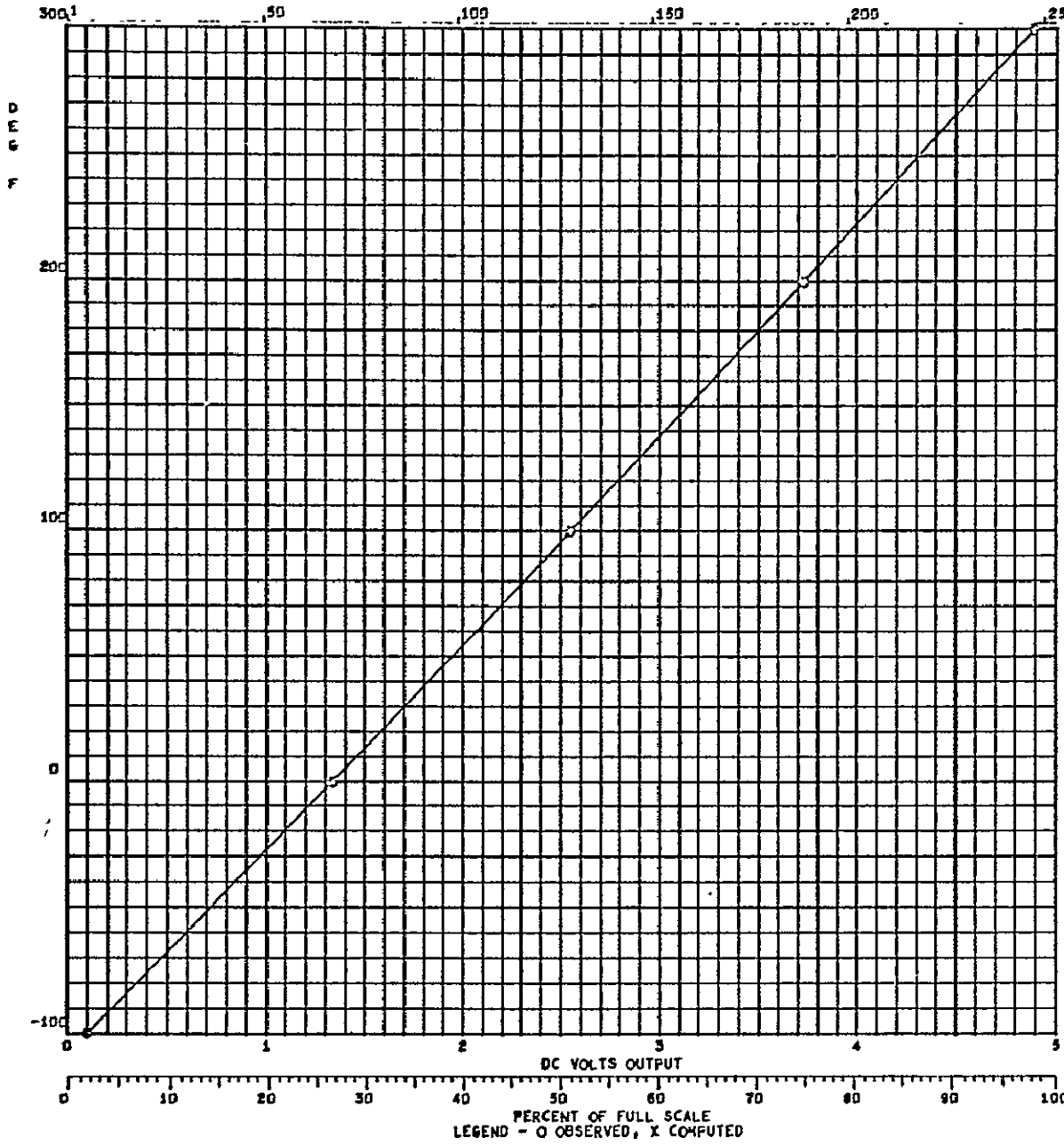
09/27/71
4 INSTALLATION DATE APRIL 11,1969
TEMP DOCKING PROBE CYLINDER
CAL RANGE -100.000 TO 300.000

SC-113

HARDWARE CALIB. NO. 76241 02 00 00

SERIAL NO. 10095442156A

=21515



EQUATION COEFFICIENTS

A_0= -1.076 E 02
A_1= 8.009 E 01
A_2= 7.106 E-02
A_3= 2.316 E-01
A_4= -2.179 E-02

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.076E 02
20% = -2.724E 01
40% = 5.436E 01
50% = 9.583E 01
60% = 1.378E 02
80% = 2.231E 02
100% = 3.099E 02

MEASUREMENT NO.
200CS0220T01

MEAS LOADING NO.
1008052 12 20

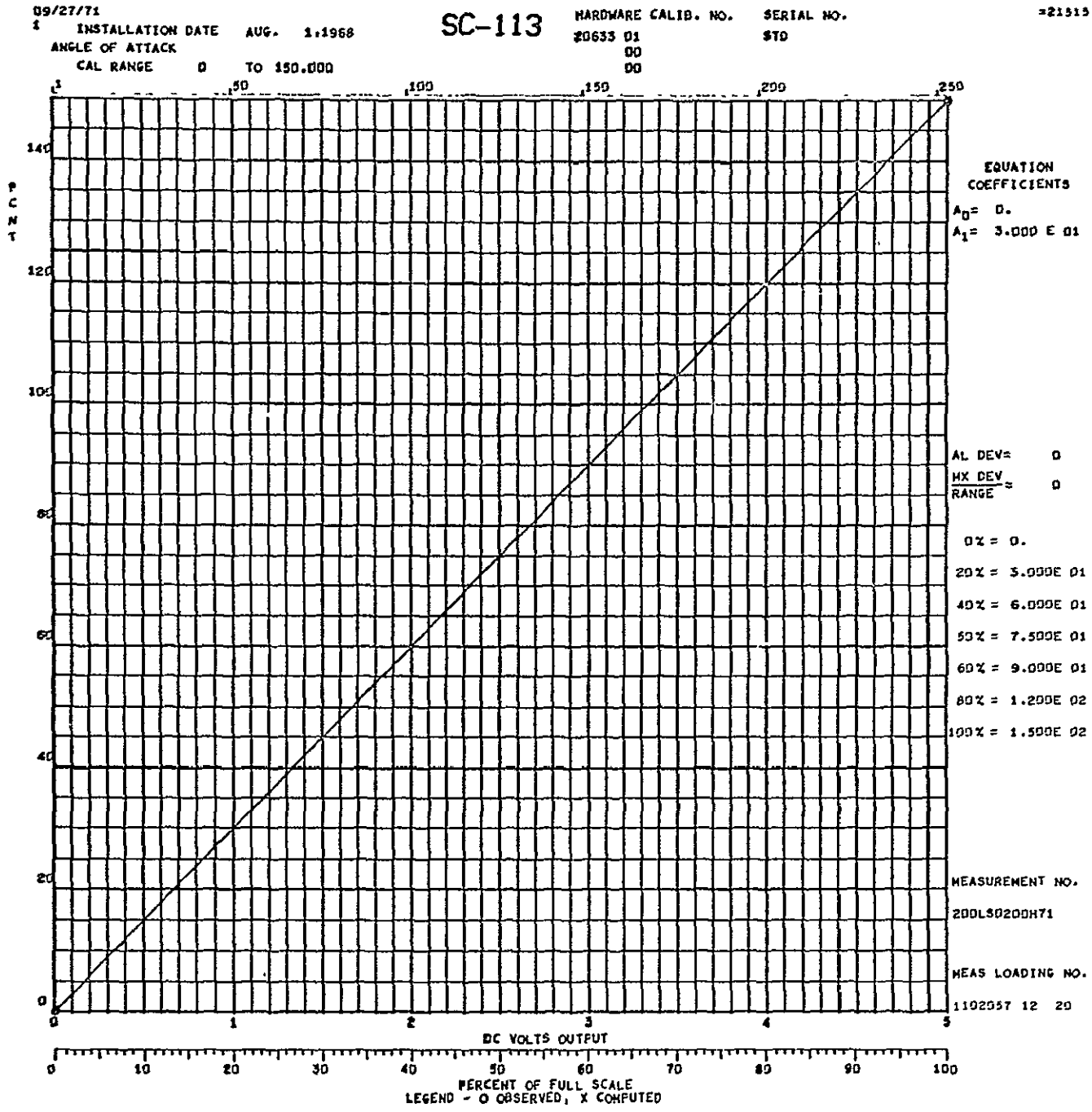
6-19

**** CALIBRATION TABLE OF -8-BIT-COUNTS-VS-ENGINEERING UNITS ****

TEMP DOCKING PROBE CYLINDER

MEASUREMENT NO. 200CS0220T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442158A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/11/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-107.609	38	-48.924	75	10.294	112	70.363	149	131.453	186	193.583	223	256.624
2	-106.027	39	-47.332	76	11.906	113	72.001	150	133.119	187	195.276	224	258.339
3	-104.444	40	-45.740	77	13.517	114	73.639	151	134.785	188	196.969	225	260.053
4	-102.861	41	-44.147	78	15.130	115	75.277	152	136.453	189	198.663	226	261.768
5	-101.278	42	-42.554	79	16.743	116	76.917	153	138.121	190	200.358	227	263.484
6	-99.694	43	-40.961	80	18.357	117	78.557	154	139.789	191	202.054	228	265.200
7	-98.111	44	-39.367	81	19.971	118	80.198	155	141.459	192	203.750	229	266.916
8	-96.528	45	-37.773	82	21.586	119	81.840	156	143.129	193	205.446	230	268.633
9	-94.944	46	-36.178	83	23.202	120	83.482	157	144.801	194	207.144	231	270.351
10	-93.361	47	-34.583	84	24.818	121	85.126	158	146.472	195	208.842	232	272.068
11	-91.777	48	-32.987	85	26.436	122	86.770	159	148.145	196	210.540	233	273.786
12	-90.193	49	-31.391	86	28.053	123	88.415	160	149.818	197	212.240	234	275.505
13	-88.609	50	-29.794	87	29.672	124	90.060	161	151.493	198	213.940	235	277.224
14	-87.024	51	-28.197	88	31.291	125	91.707	162	153.167	199	215.640	236	278.945
15	-85.440	52	-26.600	89	32.911	126	93.354	163	154.843	200	217.341	237	280.663
16	-83.855	53	-25.002	90	34.531	127	95.002	164	156.519	201	219.043	238	282.383
17	-82.270	54	-23.403	91	36.152	128	96.651	165	158.197	202	220.745	239	284.103
18	-80 685	55	-21.804	92	37.774	129	98.300	166	159.874	203	222.448	240	285.824
19	-79.100	56	-20.205	93	39.397	130	99.950	167	161.553	204	224.152	241	287.545
20	-77.514	57	-18.604	94	41.020	131	101.601	168	163.232	205	225.856	242	289.266
21	-75.929	58	-17.004	95	42.644	132	103.253	169	164.912	206	227.561	243	290.988
22	-74.342	59	-15.403	96	44.269	133	104.906	170	166.593	207	229.266	244	292.710
23	-72.756	60	-13.801	97	45.894	134	106.559	171	168.275	208	230.972	245	294.432
24	-71.170	61	-12.199	98	47.520	135	108.213	172	169.957	209	232.678	246	296.155
25	-69.583	62	-10.596	99	49.147	136	109.868	173	171.640	210	234.385	247	297.878
26	-67.995	63	-8.992	100	50.775	137	111.524	174	173.324	211	236.093	248	299.601
27	-66.408	64	-7.388	101	52.403	138	113.181	175	175.008	212	237.801	249	301.324
28	-64.820	65	-5.784	102	54.032	139	114.838	176	176.693	213	239.510	250	303.048
29	-63.232	66	-4.179	103	55.662	140	116.496	177	178.379	214	241.219	251	304.772
30	-61.644	67	-2.573	104	57.293	141	118.155	178	180.066	215	242.928	252	306.496
31	-60.055	68	-0.967	105	58.924	142	119.814	179	181.753	216	244.639	253	308.221
32	-58.466	69	0.640	106	60.556	143	121.475	180	183.441	217	246.349	254	309.945
33	-56.876	70	2.248	107	62.189	144	123.136	181	185.130	218	248.061		
34	-55.287	71	3.856	108	63.822	145	124.798	182	186.819	219	249.772		
35	-53.696	72	5.465	109	65.456	146	126.460	183	188.509	220	251.485		
36	-52.106	73	7.074	110	67.091	147	128.124	184	190.200	221	253.198		
37	-50.515	74	8.684	111	68.727	148	129.788	185	191.891	222	254.911		



STANDARD CALIBRATION - TO BE REPLACED LATER.

**** CALIBRATION-TABLE-OF 8-BIT-COUNTS-VS-ENGINEERING-UNITS-****

ANGLE OF ATTACK

MEASUREMENT NO. 200L50200H71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 08/01/68

CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	0.	38	21.937	75	43.874	112	65.810	149	87.747	186	109.684	223	131.621
2	0.593	39	22.530	76	44.466	113	66.403	150	88.340	187	110.277	224	132.213
3	1.186	40	23.123	77	45.059	114	66.996	151	88.933	188	110.870	225	132.806
4	1.779	41	23.715	78	45.652	115	67.589	152	89.526	189	111.462	226	133.399
5	2.372	42	24.308	79	46.245	116	68.182	153	90.119	190	112.055	227	133.992
6	2.964	43	24.901	80	46.838	117	68.775	154	90.711	191	112.648	228	134.585
7	3.557	44	25.494	81	47.431	118	69.368	155	91.304	192	113.241	229	135.178
8	4.150	45	26.087	82	48.024	119	69.960	156	91.897	193	113.834	230	135.771
9	4.743	46	26.680	83	48.617	120	70.553	157	92.490	194	114.427	231	136.364
10	5.336	47	27.273	84	49.209	121	71.146	158	93.083	195	115.020	232	136.957
11	5.929	48	27.866	85	49.802	122	71.739	159	93.676	196	115.613	233	137.549
12	6.522	49	28.458	86	50.395	123	72.332	160	94.269	197	116.206	234	138.142
13	7.115	50	29.051	87	50.988	124	72.925	161	94.862	198	116.798	235	138.735
14	7.708	51	29.644	88	51.581	125	73.518	162	95.455	199	117.391	236	139.328
15	8.300	52	30.237	89	52.174	126	74.111	163	96.047	200	117.984	237	139.921
16	8.893	53	30.830	90	52.767	127	74.704	164	96.640	201	118.577	238	140.514
17	9.486	54	31.423	91	53.360	128	75.296	165	97.233	202	119.170	239	141.107
18	10.079	55	32.016	92	53.953	129	75.889	166	97.826	203	119.763	240	141.700
19	10.672	56	32.609	93	54.545	130	76.482	167	98.419	204	120.356	241	142.293
20	11.265	57	33.202	94	55.138	131	77.075	168	99.012	205	120.949	242	142.885
21	11.858	58	33.794	95	55.731	132	77.668	169	99.605	206	121.541	243	143.478
22	12.451	59	34.387	96	56.324	133	78.261	170	100.198	207	122.134	244	144.071
23	13.043	60	34.980	97	56.917	134	78.854	171	100.791	208	122.727	245	144.664
24	13.636	61	35.573	98	57.510	135	79.447	172	101.383	209	123.320	246	145.257
25	14.229	62	36.166	99	58.103	136	80.040	173	101.976	210	123.913	247	145.850
26	14.822	63	36.759	100	58.696	137	80.632	174	102.569	211	124.506	248	146.443
27	15.415	64	37.352	101	59.289	138	81.225	175	103.162	212	125.099	249	147.036
28	16.008	65	37.945	102	59.881	139	81.818	176	103.755	213	125.692	250	147.628
29	16.601	66	38.538	103	60.474	140	82.411	177	104.348	214	126.285	251	148.221
30	17.194	67	39.130	104	61.067	141	83.004	178	104.941	215	126.877	252	148.814
31	17.787	68	39.723	105	61.660	142	83.597	179	105.534	216	127.470	253	149.407
32	18.379	69	40.316	106	62.253	143	84.190	180	106.126	217	128.063	254	150.000
33	18.972	70	40.909	107	62.846	144	84.783	181	106.719	218	128.656		
34	19.565	71	41.502	108	63.439	145	85.375	182	107.312	219	129.249		
35	20.158	72	42.095	109	64.032	146	85.968	183	107.905	220	129.842		
36	20.751	73	42.688	110	64.625	147	86.561	184	108.498	221	130.435		
37	21.344	74	43.281	111	65.217	148	87.154	185	109.091	222	131.028		

09/27/71

1 INSTALLATION DATE OCT. 1,1969

SIG COND POS SUPPLY VOLTS

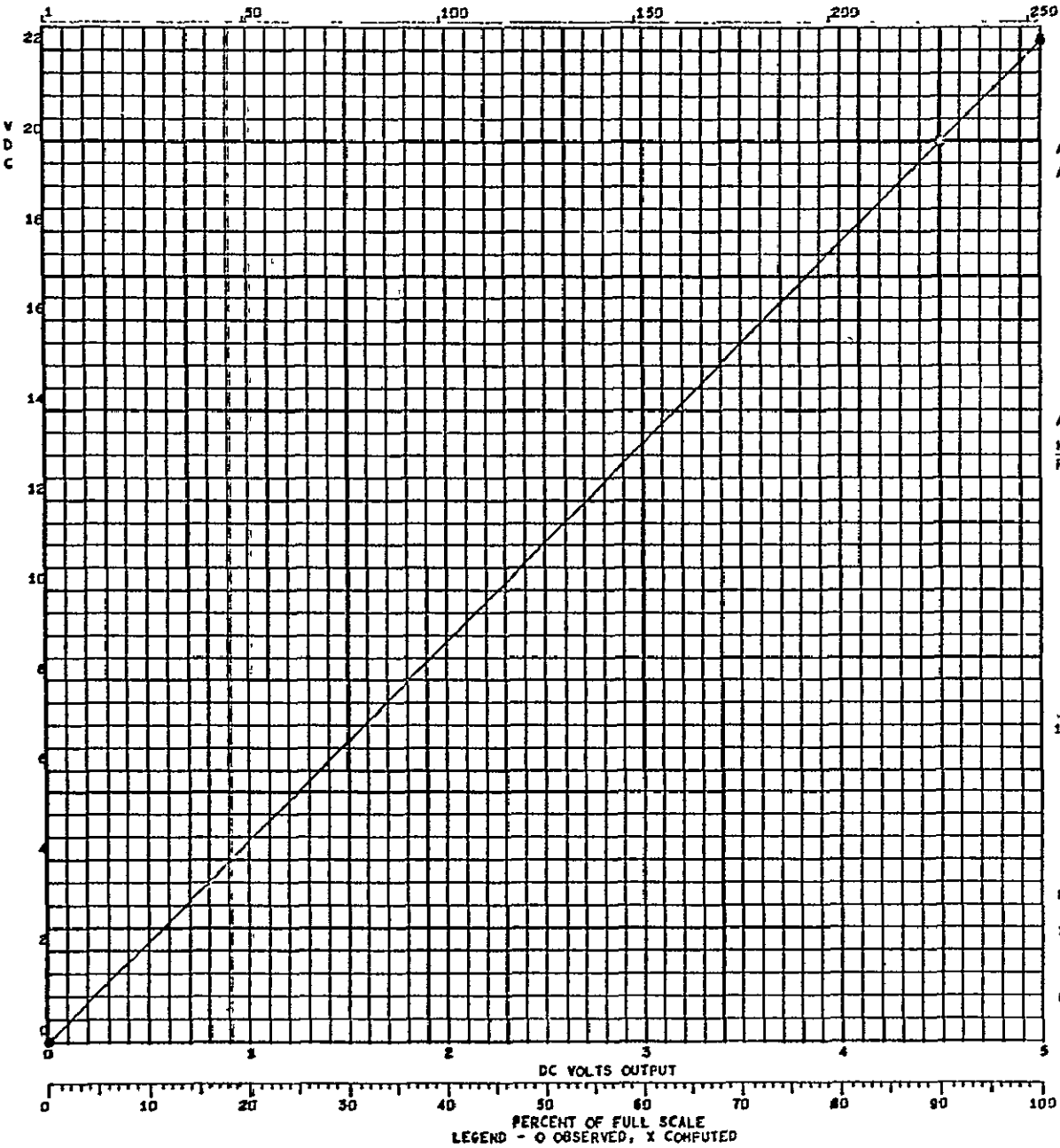
CAL RANGE .000109 TO 22.2219

SC-113

HARDWARE CALIB. NO. 81446 01 00 00

SERIAL NO. 063590415BJA

#21515



EQUATION COEFFICIENTS

A_0= 1.099 E-04

A_1= 4.444 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 1.099E-04

20% = 4.444E 00

40% = 8.888E 00

50% = 1.111E 01

60% = 1.333E 01

80% = 1.778E 01

100% = 2.222E 01

MEASUREMENT NO.

200CT0015V01

MEAS LOADING NO.

1191106 12 29

5 269

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

SIG COND POS SUPPLY VOLTS

MEASUREMENT NO. 200CT0015VD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0635904158JA
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.000	38	3.250	75	6.499	112	9.749	149	12.999	186	16.249	223	19.498
2	0.088	39	3.338	76	6.587	113	9.837	150	13.087	187	16.336	224	19.586
3	0.176	40	3.425	77	6.675	114	9.925	151	13.175	188	16.424	225	19.674
4	0.264	41	3.513	78	6.763	115	10.013	152	13.262	189	16.512	226	19.762
5	0.351	42	3.601	79	6.851	116	10.101	153	13.350	190	16.600	227	19.850
6	0.439	43	3.689	80	6.939	117	10.188	154	13.438	191	16.688	228	19.937
7	0.527	44	3.777	81	7.026	118	10.276	155	13.526	192	16.776	229	20.025
8	0.615	45	3.865	82	7.114	119	10.364	156	13.614	193	16.863	230	20.113
9	0.703	46	3.952	83	7.202	120	10.452	157	13.702	194	16.951	231	20.201
10	0.791	47	4.040	84	7.290	121	10.540	158	13.789	195	17.039	232	20.289
11	0.878	48	4.128	85	7.378	122	10.627	159	13.877	196	17.127	233	20.377
12	0.966	49	4.216	86	7.466	123	10.715	160	13.965	197	17.215	234	20.464
13	1.054	50	4.304	87	7.553	124	10.803	161	14.053	198	17.303	235	20.552
14	1.142	51	4.392	88	7.641	125	10.891	162	14.141	199	17.390	236	20.640
15	1.230	52	4.479	89	7.729	126	10.979	163	14.228	200	17.478	237	20.728
16	1.318	53	4.567	90	7.817	127	11.067	164	14.316	201	17.566	238	20.816
17	1.406	54	4.655	91	7.905	128	11.154	165	14.404	202	17.654	239	20.904
18	1.493	55	4.743	92	7.993	129	11.242	166	14.492	203	17.742	240	20.991
19	1.581	56	4.831	93	8.080	130	11.330	167	14.580	204	17.830	241	21.079
20	1.669	57	4.919	94	8.168	131	11.418	168	14.668	205	17.917	242	21.167
21	1.757	58	5.006	95	8.256	132	11.506	169	14.755	206	18.005	243	21.255
22	1.845	59	5.094	96	8.344	133	11.594	170	14.843	207	18.093	244	21.343
23	1.932	60	5.182	97	8.432	134	11.681	171	14.931	208	18.181	245	21.431
24	2.020	61	5.270	98	8.520	135	11.769	172	15.019	209	18.269	246	21.518
25	2.108	62	5.358	99	8.607	136	11.857	173	15.107	210	18.356	247	21.606
26	2.196	63	5.446	100	8.695	137	11.945	174	15.195	211	18.444	248	21.694
27	2.284	64	5.533	101	8.783	138	12.033	175	15.282	212	18.532	249	21.782
28	2.372	65	5.621	102	8.871	139	12.121	176	15.370	213	18.620	250	21.870
29	2.459	66	5.709	103	8.959	140	12.208	177	15.458	214	18.708	251	21.958
30	2.547	67	5.797	104	9.047	141	12.296	178	15.546	215	18.796	252	22.045
31	2.635	68	5.885	105	9.134	142	12.384	179	15.634	216	18.883	253	22.133
32	2.723	69	5.973	106	9.222	143	12.472	180	15.722	217	18.971	254	22.221
33	2.811	70	6.060	107	9.310	144	12.560	181	15.809	218	19.059		
34	2.898	71	6.148	108	9.398	145	12.648	182	15.897	219	19.147		
35	2.986	72	6.236	109	9.486	146	12.735	183	15.985	220	19.235		
36	3.074	73	6.324	110	9.574	147	12.823	184	16.073	221	19.323		
37	3.162	74	6.412	111	9.661	148	12.911	185	16.161	222	19.410		

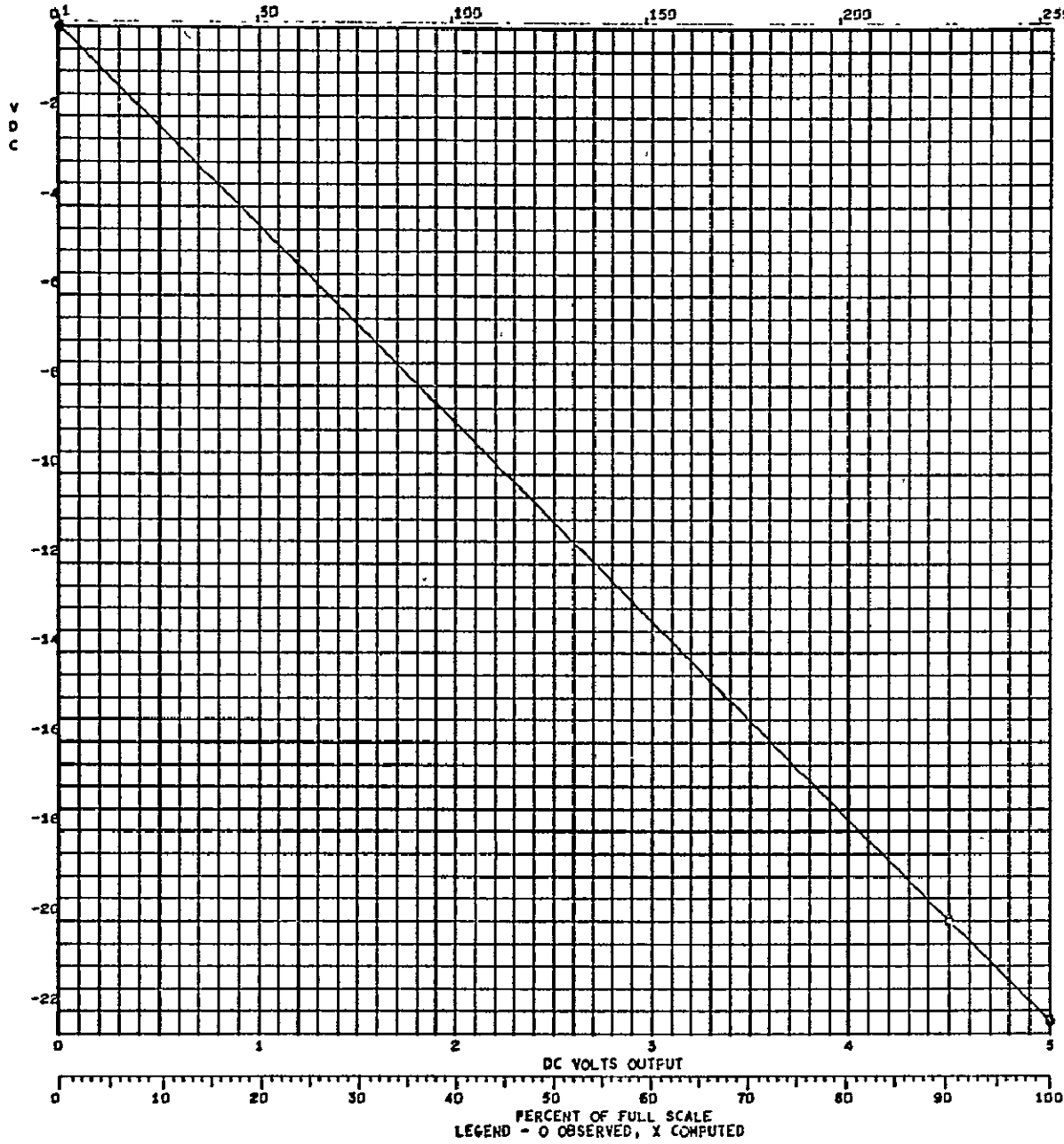
09/27/71
1 INSTALLATION DATE OCT. 1,1969
SIG COND NEG SUPPLY VOLTS
CAL RANGE -22.2210 TO -.000109

SC-113

HARDWARE CALIB. NO. 81447 01 00 00

SERIAL NO. 063590415BJA

#21515



EQUATION COEFFICIENTS

A_0= -1.099 E-04
A_1= -4.444 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.099E-04
20% = -4.444E 00
40% = -8.888E 00
50% = -1.111E 01
60% = -1.333E 01
80% = -1.778E 01
100% = -2.222E 01

MEASUREMENT NO.
20DCT0016V01

MEAS LOADING NO.
1101107 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

SIG COND NEG SUPPLY VOLTS

MEASUREMENT NO. 200CT0016V01
VEHICLE SC-115
TRANSDUCER SERIAL NO. 0635904158JA
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.000	36	-3.250	75	-6.499	112	-9.749	149	-12.999	186	-16.249	223	-19.498
2	-0.088	39	-3.338	76	-6.587	113	-9.837	150	-13.087	187	-16.336	224	-19.586
3	-0.176	40	-3.425	77	-6.675	114	-9.925	151	-13.175	188	-16.424	225	-19.674
4	-0.264	41	-3.513	78	-6.763	115	-10.013	152	-13.262	189	-16.512	226	-19.762
5	-0.351	42	-3.601	79	-6.851	116	-10.101	153	-13.350	190	-16.600	227	-19.850
6	-0.439	43	-3.689	80	-6.939	117	-10.188	154	-13.438	191	-16.688	228	-19.937
7	-0.527	44	-3.777	81	-7.026	118	-10.276	155	-13.526	192	-16.776	229	-20.025
8	-0.615	45	-3.865	82	-7.114	119	-10.364	156	-13.614	193	-16.863	230	-20.113
9	-0.703	46	-3.952	83	-7.202	120	-10.452	157	-13.702	194	-16.951	231	-20.201
10	-0.791	47	-4.040	84	-7.290	121	-10.540	158	-13.789	195	-17.039	232	-20.289
11	-0.878	48	-4.128	85	-7.378	122	-10.627	159	-13.877	196	-17.127	233	-20.377
12	-0.966	49	-4.216	86	-7.466	123	-10.715	160	-13.965	197	-17.215	234	-20.464
13	-1.054	50	-4.304	87	-7.553	124	-10.803	161	-14.053	198	-17.303	235	-20.552
14	-1.142	51	-4.392	88	-7.641	125	-10.891	162	-14.141	199	-17.390	236	-20.640
15	-1.230	52	-4.479	89	-7.729	126	-10.979	163	-14.228	200	-17.478	237	-20.728
16	-1.318	53	-4.567	90	-7.817	127	-11.067	164	-14.316	201	-17.566	238	-20.816
17	-1.405	54	-4.655	91	-7.905	128	-11.154	165	-14.404	202	-17.654	239	-20.904
18	-1.493	55	-4.743	92	-7.993	129	-11.242	166	-14.492	203	-17.742	240	-20.991
19	-1.581	56	-4.831	93	-8.080	130	-11.330	167	-14.580	204	-17.830	241	-21.079
20	-1.669	57	-4.919	94	-8.168	131	-11.418	168	-14.668	205	-17.917	242	-21.167
21	-1.757	58	-5.006	95	-8.256	132	-11.506	169	-14.755	206	-18.005	243	-21.255
22	-1.845	59	-5.094	96	-8.344	133	-11.594	170	-14.843	207	-18.093	244	-21.343
23	-1.932	60	-5.182	97	-8.432	134	-11.681	171	-14.931	208	-18.181	245	-21.431
24	-2.020	61	-5.270	98	-8.520	135	-11.769	172	-15.019	209	-18.269	246	-21.518
25	-2.108	62	-5.358	99	-8.607	136	-11.857	173	-15.107	210	-18.356	247	-21.606
26	-2.196	63	-5.446	100	-8.695	137	-11.945	174	-15.195	211	-18.444	248	-21.694
27	-2.284	64	-5.533	101	-8.783	138	-12.033	175	-15.282	212	-18.532	249	-21.782
28	-2.372	65	-5.621	102	-8.871	139	-12.121	176	-15.370	213	-18.620	250	-21.870
29	-2.459	66	-5.709	103	-8.959	140	-12.208	177	-15.458	214	-18.708	251	-21.958
30	-2.547	67	-5.797	104	-9.047	141	-12.296	178	-15.546	215	-18.796	252	-22.045
31	-2.635	68	-5.885	105	-9.134	142	-12.384	179	-15.634	216	-18.883	253	-22.133
32	-2.723	69	-5.973	106	-9.222	143	-12.472	180	-15.722	217	-18.971	254	-22.221
33	-2.811	70	-6.060	107	-9.310	144	-12.560	181	-15.809	218	-19.059		
34	-2.898	71	-6.148	108	-9.398	145	-12.648	182	-15.897	219	-19.147		
35	-2.986	72	-6.236	109	-9.486	146	-12.735	183	-15.985	220	-19.235		
36	-3.074	73	-6.324	110	-9.574	147	-12.823	184	-16.073	221	-19.323		
37	-3.162	74	-6.412	111	-9.661	148	-12.911	185	-16.161	222	-19.410		

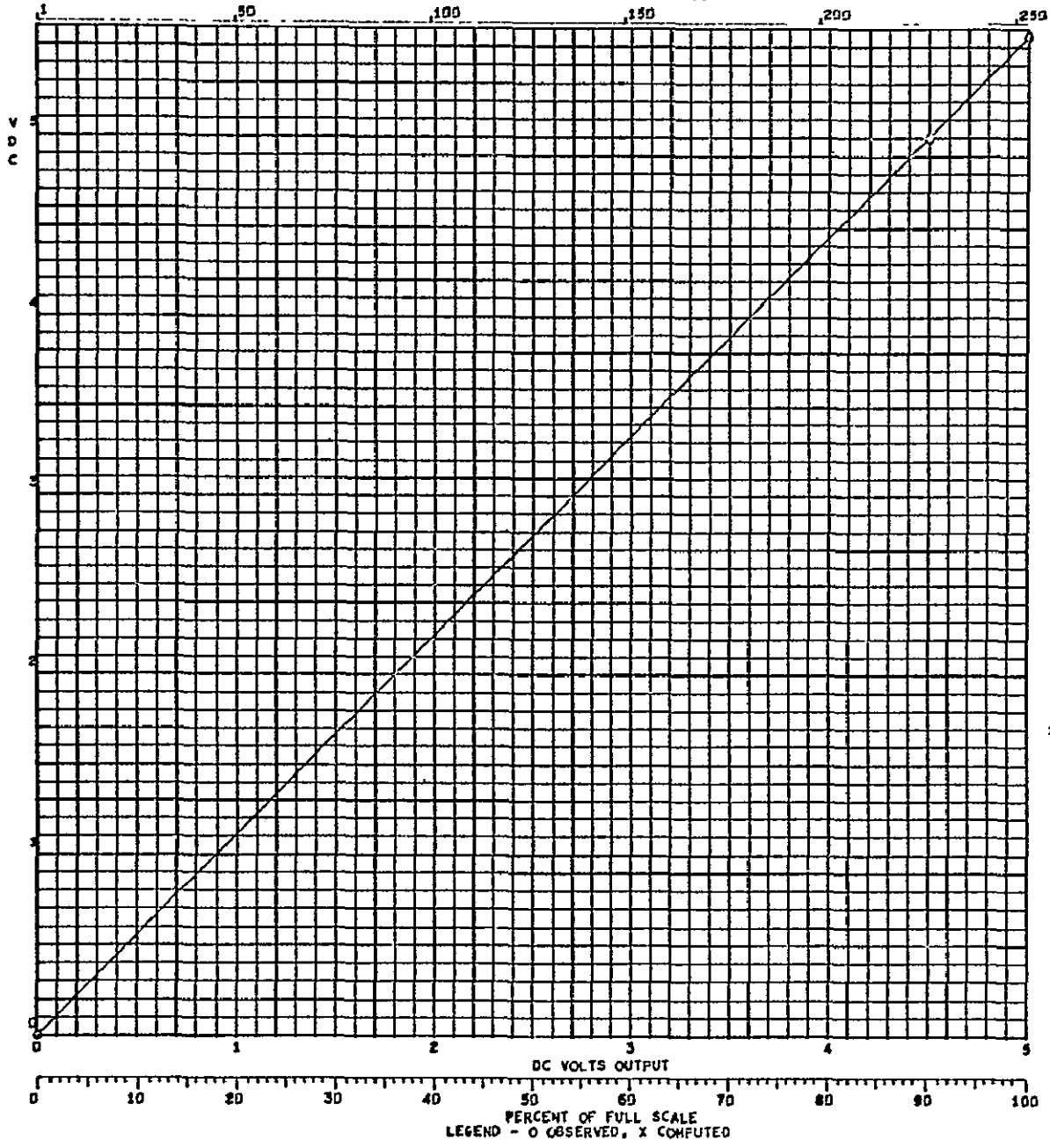
09/27/71
1 INSTALLATION DATE OCT. 1,1969
SENSOR EXCITATION 5 VOLTS
CAL RANGE -.000219 TO 5.55802

SC-113

HARDWARE CALIB. NO. 81448 01 00 00

SERIAL NO. 065590415BJA

*21515



EQUATION COEFFICIENTS

A_0= -2.198 E-04

A_1= 1.112 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% = -2.198E-04

20% = 1.111E 00

40% = 2.223E 00

50% = 2.779E 00

60% = 3.335E 00

80% = 4.446E 00

100% = 5.558E 00

MEASUREMENT NO.

20OCT0017V01

MEAS LOADING NO.

1105123 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

SENSOR EXCITATION 5 VOLTS

MEASUREMENT NO. 200CTD017VD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0635904158JA
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.000	38	0.813	75	1.626	112	2.438	149	3.251	186	4.064	223	4.877
2	0.022	39	0.835	76	1.647	113	2.460	150	3.273	187	4.086	224	4.899
3	0.044	40	0.857	77	1.669	114	2.482	151	3.295	188	4.108	225	4.921
4	0.066	41	0.879	78	1.691	115	2.504	152	3.317	189	4.130	226	4.943
5	0.088	42	0.901	79	1.713	116	2.526	153	3.339	190	4.152	227	4.965
6	0.110	43	0.922	80	1.735	117	2.548	154	3.361	191	4.174	228	4.987
7	0.132	44	0.944	81	1.757	118	2.570	155	3.383	192	4.196	229	5.009
8	0.154	45	0.966	82	1.779	119	2.592	156	3.405	193	4.218	230	5.031
9	0.176	46	0.988	83	1.801	120	2.614	157	3.427	194	4.240	231	5.053
10	0.198	47	1.010	84	1.823	121	2.636	158	3.449	195	4.262	232	5.075
11	0.219	48	1.032	85	1.845	122	2.658	159	3.471	196	4.284	233	5.097
12	0.241	49	1.054	86	1.867	123	2.680	160	3.493	197	4.306	234	5.119
13	0.263	50	1.076	87	1.889	124	2.702	161	3.515	198	4.328	235	5.141
14	0.285	51	1.098	88	1.911	125	2.724	162	3.537	199	4.350	236	5.163
15	0.307	52	1.120	89	1.933	126	2.746	163	3.559	200	4.372	237	5.185
16	0.329	53	1.142	90	1.955	127	2.768	164	3.581	201	4.394	238	5.207
17	0.351	54	1.164	91	1.977	128	2.790	165	3.603	202	4.416	239	5.228
18	0.373	55	1.186	92	1.999	129	2.812	166	3.625	203	4.438	240	5.250
19	0.395	56	1.208	93	2.021	130	2.834	167	3.647	204	4.460	241	5.272
20	0.417	57	1.230	94	2.043	131	2.856	168	3.669	205	4.482	242	5.294
21	0.439	58	1.252	95	2.065	132	2.878	169	3.691	206	4.503	243	5.316
22	0.461	59	1.274	96	2.087	133	2.900	170	3.713	207	4.525	244	5.338
23	0.483	60	1.296	97	2.109	134	2.922	171	3.735	208	4.547	245	5.360
24	0.505	61	1.318	98	2.131	135	2.944	172	3.757	209	4.569	246	5.382
25	0.527	62	1.340	99	2.153	136	2.966	173	3.779	210	4.591	247	5.404
26	0.549	63	1.362	100	2.175	137	2.988	174	3.800	211	4.613	248	5.426
27	0.571	64	1.384	101	2.197	138	3.010	175	3.822	212	4.635	249	5.448
28	0.593	65	1.406	102	2.219	139	3.032	176	3.844	213	4.657	250	5.470
29	0.615	66	1.428	103	2.241	140	3.054	177	3.866	214	4.679	251	5.492
30	0.637	67	1.450	104	2.263	141	3.075	178	3.888	215	4.701	252	5.514
31	0.659	68	1.472	105	2.285	142	3.097	179	3.910	216	4.723	253	5.536
32	0.681	69	1.494	106	2.307	143	3.119	180	3.932	217	4.745	254	5.558
33	0.703	70	1.516	107	2.329	144	3.141	181	3.954	218	4.767		
34	0.725	71	1.538	108	2.350	145	3.163	182	3.976	219	4.789		
35	0.747	72	1.560	109	2.372	146	3.185	183	3.998	220	4.811		
36	0.769	73	1.582	110	2.394	147	3.207	184	4.020	221	4.833		
37	0.791	74	1.604	111	2.416	148	3.229	185	4.042	222	4.855		

09/27/71

1 INSTALLATION DATE OCT. 1,1969

SENSOR EXCITATION 10 VOLTS

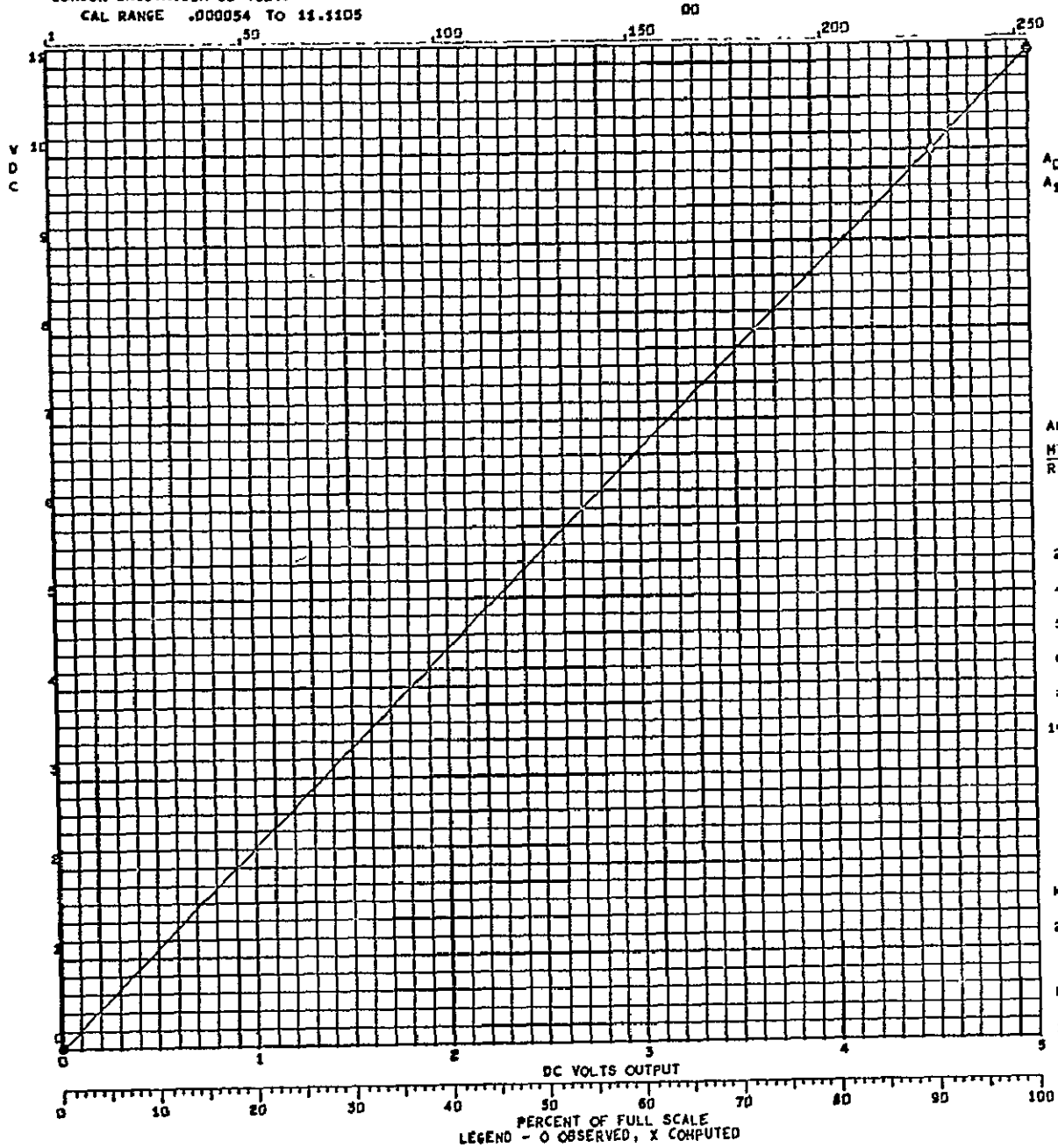
CAL RANGE .000054 TO 11.1105

SC-113

HARDWARE CALIB. NO. 81449 01 00 00

SERIAL NO. 065590415BJA

=21515



EQUATION COEFFICIENTS

A_0= 5.495 E-05

A_1= 2.222 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% = 5.495E-05

20% = 2.222E 00

40% = 4.444E 00

50% = 5.555E 00

60% = 6.666E 00

80% = 8.888E 00

100% = 1.111E 01

MEASUREMENT NO.

200CT0018V01

MEAS LOADING NO.

1102028 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

SENSOR EXCITATION 10 VOLTS

MEASUREMENT NO. 200CT0018V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 063590415BJA
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.000	38	1.625	75	3.250	112	4.875	149	6.499	186	8.124	223	9.749
2	0.044	39	1.669	76	3.294	113	4.919	150	6.543	187	8.168	224	9.793
3	0.088	40	1.713	77	3.338	114	4.962	151	6.587	188	8.212	225	9.837
4	0.132	41	1.757	78	3.381	115	5.006	152	6.631	189	8.256	226	9.881
5	0.176	42	1.801	79	3.425	116	5.050	153	6.675	190	8.300	227	9.925
6	0.220	43	1.844	80	3.469	117	5.094	154	6.719	191	8.344	228	9.969
7	0.264	44	1.888	81	3.513	118	5.138	155	6.763	192	8.388	229	10.013
8	0.307	45	1.932	82	3.557	119	5.182	156	6.807	193	8.432	230	10.057
9	0.351	46	1.976	83	3.601	120	5.226	157	6.851	194	8.476	231	10.100
10	0.395	47	2.020	84	3.645	121	5.270	158	6.895	195	8.520	232	10.144
11	0.439	48	2.064	85	3.689	122	5.314	159	6.939	196	8.563	233	10.188
12	0.483	49	2.108	86	3.733	123	5.358	160	6.983	197	8.607	234	10.232
13	0.527	50	2.152	87	3.777	124	5.402	161	7.026	198	8.651	235	10.276
14	0.571	51	2.196	88	3.821	125	5.445	162	7.070	199	8.695	236	10.320
15	0.615	52	2.240	89	3.865	126	5.489	163	7.114	200	8.739	237	10.364
16	0.659	53	2.284	90	3.908	127	5.533	164	7.158	201	8.783	238	10.408
17	0.703	54	2.328	91	3.952	128	5.577	165	7.202	202	8.827	239	10.452
18	0.747	55	2.371	92	3.996	129	5.621	166	7.246	203	8.871	240	10.496
19	0.791	56	2.415	93	4.040	130	5.665	167	7.290	204	8.915	241	10.540
20	0.834	57	2.459	94	4.084	131	5.709	168	7.334	205	8.959	242	10.584
21	0.878	58	2.503	95	4.128	132	5.753	169	7.378	206	9.003	243	10.627
22	0.922	59	2.547	96	4.172	133	5.797	170	7.422	207	9.046	244	10.671
23	0.966	60	2.591	97	4.216	134	5.841	171	7.466	208	9.090	245	10.715
24	1.010	61	2.635	98	4.260	135	5.885	172	7.509	209	9.134	246	10.759
25	1.054	62	2.679	99	4.304	136	5.929	173	7.553	210	9.178	247	10.803
26	1.098	63	2.723	100	4.348	137	5.972	174	7.597	211	9.222	248	10.847
27	1.142	64	2.767	101	4.392	138	6.016	175	7.641	212	9.266	249	10.891
28	1.186	65	2.811	102	4.435	139	6.060	176	7.685	213	9.310	250	10.935
29	1.230	66	2.855	103	4.479	140	6.104	177	7.729	214	9.354	251	10.979
30	1.274	67	2.898	104	4.523	141	6.148	178	7.773	215	9.398	252	11.023
31	1.317	68	2.942	105	4.567	142	6.192	179	7.817	216	9.442	253	11.067
32	1.361	69	2.986	106	4.611	143	6.236	180	7.861	217	9.486	254	11.110
33	1.405	70	3.030	107	4.655	144	6.280	181	7.905	218	9.530		
34	1.449	71	3.074	108	4.699	145	6.324	182	7.949	219	9.573		
35	1.493	72	3.118	109	4.743	146	6.368	183	7.993	220	9.617		
36	1.537	73	3.162	110	4.787	147	6.412	184	8.036	221	9.661		
37	1.581	74	3.206	111	4.831	148	6.456	185	8.080	222	9.705		

09/27/71

1 INSTALLATION DATE SEPT. 17,1969

FCH HI LEVEL 85 PERCENT REF

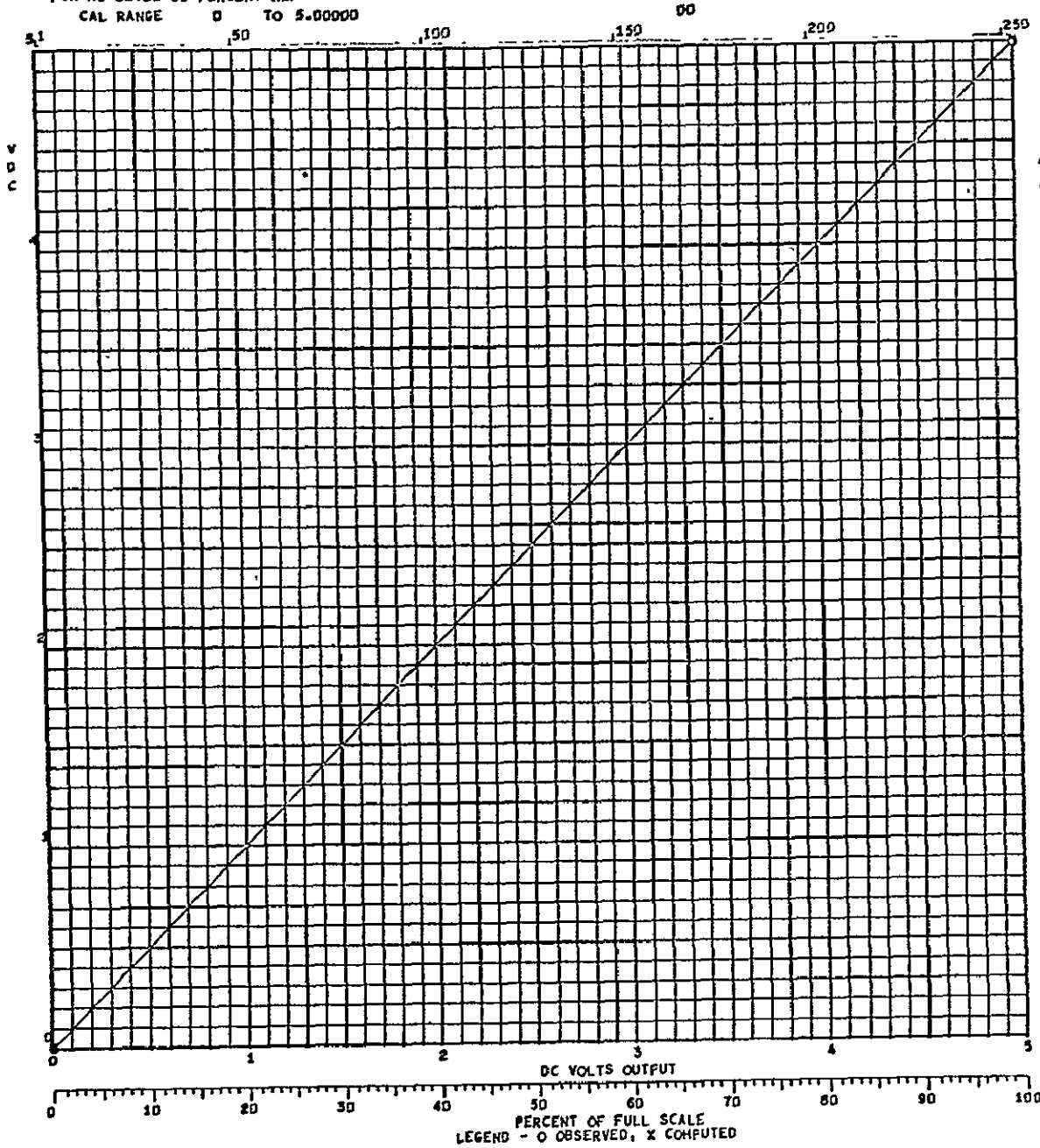
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. 78930 01 00 00

SERIAL NO. 071208040018

*21515



EQUATION COEFFICIENTS

A_0= 0.

A_1= 1.000 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 0.

20% = 1.000E 00

40% = 2.000E 00

50% = 2.500E 00

60% = 3.000E 00

80% = 4.000E 00

100% = 5.000E 00

MEASUREMENT NO.

200CTD125V01

MEAS LOADING NO.

1105108 12

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

PCM HI LEVEL 85 PERCENT REF

MEASUREMENT NO. 200CT0125V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 071208040018
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/17/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	0.731	75	1.462	112	2.194	149	2.925	186	3.656	223	4.387
2	0.020	39	0.751	76	1.482	113	2.213	150	2.945	187	3.676	224	4.407
3	0.040	40	0.771	77	1.502	114	2.233	151	2.964	188	3.696	225	4.427
4	0.059	41	0.791	78	1.522	115	2.253	152	2.984	189	3.715	226	4.447
5	0.079	42	0.810	79	1.542	116	2.273	153	3.004	190	3.735	227	4.466
6	0.099	43	0.830	80	1.561	117	2.292	154	3.024	191	3.755	228	4.486
7	0.119	44	0.850	81	1.581	118	2.312	155	3.043	192	3.775	229	4.506
8	0.138	45	0.870	82	1.601	119	2.332	156	3.063	193	3.794	230	4.526
9	0.158	46	0.889	83	1.621	120	2.352	157	3.083	194	3.814	231	4.545
10	0.178	47	0.909	84	1.640	121	2.372	158	3.103	195	3.834	232	4.565
11	0.198	48	0.929	85	1.660	122	2.391	159	3.123	196	3.854	233	4.585
12	0.217	49	0.949	86	1.680	123	2.411	160	3.142	197	3.874	234	4.605
13	0.237	50	0.968	87	1.700	124	2.431	161	3.162	198	3.893	235	4.625
14	0.257	51	0.988	88	1.719	125	2.451	162	3.182	199	3.913	236	4.644
15	0.277	52	1.008	89	1.739	126	2.470	163	3.202	200	3.933	237	4.664
16	0.296	53	1.028	90	1.759	127	2.490	164	3.221	201	3.953	238	4.684
17	0.316	54	1.047	91	1.779	128	2.510	165	3.241	202	3.972	239	4.704
18	0.336	55	1.067	92	1.798	129	2.530	166	3.261	203	3.992	240	4.723
19	0.356	56	1.087	93	1.818	130	2.549	167	3.281	204	4.012	241	4.743
20	0.375	57	1.107	94	1.838	131	2.569	168	3.300	205	4.032	242	4.763
21	0.395	58	1.126	95	1.858	132	2.589	169	3.320	206	4.051	243	4.783
22	0.415	59	1.146	96	1.877	133	2.609	170	3.340	207	4.071	244	4.802
23	0.435	60	1.166	97	1.897	134	2.628	171	3.360	208	4.091	245	4.822
24	0.455	61	1.186	98	1.917	135	2.648	172	3.379	209	4.111	246	4.842
25	0.474	62	1.206	99	1.937	136	2.668	173	3.399	210	4.130	247	4.862
26	0.494	63	1.225	100	1.957	137	2.688	174	3.419	211	4.150	248	4.881
27	0.514	64	1.245	101	1.976	138	2.708	175	3.439	212	4.170	249	4.901
28	0.534	65	1.265	102	1.996	139	2.727	176	3.458	213	4.190	250	4.921
29	0.553	66	1.285	103	2.016	140	2.747	177	3.478	214	4.209	251	4.941
30	0.573	67	1.304	104	2.036	141	2.767	178	3.498	215	4.229	252	4.960
31	0.593	68	1.324	105	2.055	142	2.787	179	3.518	216	4.249	253	4.980
32	0.613	69	1.344	106	2.075	143	2.806	180	3.538	217	4.269	254	5.000
33	0.632	70	1.364	107	2.095	144	2.826	181	3.557	218	4.289		
34	0.652	71	1.383	108	2.115	145	2.846	182	3.577	219	4.308		
35	0.672	72	1.403	109	2.134	146	2.866	183	3.597	220	4.328		
36	0.692	73	1.423	110	2.154	147	2.885	184	3.617	221	4.348		
37	0.711	74	1.443	111	2.174	148	2.905	185	3.636	222	4.368		

09/27/71

1 INSTALLATION DATE SEPT. 17,1969

PCM HI LEVEL 15 PERCENT REF

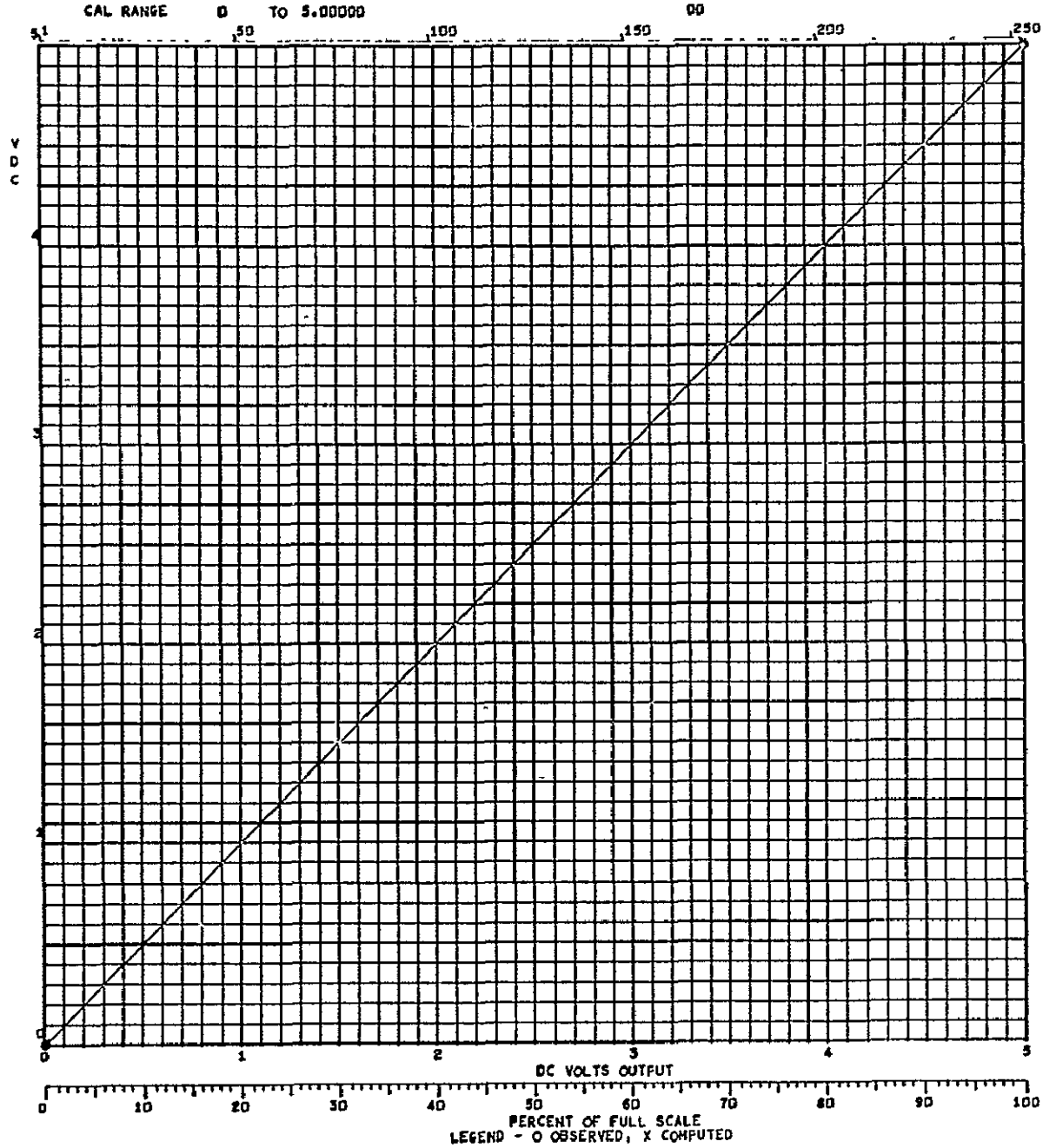
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. 78931 01 00 00

SERIAL NO. 071208040018

#21515



EQUATION COEFFICIENTS

A_0= 0.

A_1= 1.000 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% = 0.

20% = 1.000E 00

40% = 2.000E 00

50% = 2.500E 00

60% = 3.000E 00

80% = 4.000E 00

100% = 5.000E 00

MEASUREMENT NO.

200CT0126V01

MEAS LOADING NO.

1191123 12

5 279

**** CALIBRATION TABLE OF 8-BIT COUNTS-VS ENGINEERING UNITS ****

PCM HI LEVEL 15 PERCENT REF

MEASUREMENT NO. 200CT0126V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 071208040018
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/17/69

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	0.731	75	1.462	112	2.194	149	2.925	186	3.656	223	4.387
2	0.020	39	0.751	76	1.482	113	2.213	150	2.945	187	3.676	224	4.407
3	0.040	40	0.771	77	1.502	114	2.233	151	2.964	188	3.696	225	4.427
4	0.059	41	0.791	78	1.522	115	2.253	152	2.984	189	3.715	226	4.447
5	0.079	42	0.810	79	1.542	116	2.273	153	3.004	190	3.735	227	4.466
6	0.099	43	0.830	80	1.561	117	2.292	154	3.024	191	3.755	228	4.486
7	0.119	44	0.850	81	1.581	118	2.312	155	3.043	192	3.775	229	4.506
8	0.138	45	0.870	82	1.601	119	2.332	156	3.063	193	3.794	230	4.526
9	0.158	46	0.889	83	1.621	120	2.352	157	3.083	194	3.814	231	4.545
10	0.178	47	0.909	84	1.640	121	2.372	158	3.103	195	3.834	232	4.565
11	0.198	48	0.929	85	1.660	122	2.391	159	3.123	196	3.854	233	4.585
12	0.217	49	0.949	86	1.680	123	2.411	160	3.142	197	3.874	234	4.605
13	0.237	50	0.968	87	1.700	124	2.431	161	3.162	198	3.893	235	4.625
14	0.257	51	0.988	88	1.719	125	2.451	162	3.182	199	3.913	236	4.644
15	0.277	52	1.008	89	1.739	126	2.470	163	3.202	200	3.933	237	4.664
16	0.296	53	1.028	90	1.759	127	2.490	164	3.221	201	3.953	238	4.684
17	0.316	54	1.047	91	1.779	128	2.510	165	3.241	202	3.972	239	4.704
18	0.336	55	1.067	92	1.798	129	2.530	166	3.261	203	3.992	240	4.723
19	0.356	56	1.087	93	1.818	130	2.549	167	3.281	204	4.012	241	4.743
20	0.375	57	1.107	94	1.838	131	2.569	168	3.300	205	4.032	242	4.763
21	0.395	58	1.126	95	1.858	132	2.589	169	3.320	206	4.051	243	4.783
22	0.415	59	1.146	96	1.877	133	2.609	170	3.340	207	4.071	244	4.802
23	0.435	60	1.166	97	1.897	134	2.628	171	3.360	208	4.091	245	4.822
24	0.455	61	1.186	98	1.917	135	2.648	172	3.379	209	4.111	246	4.842
25	0.474	62	1.206	99	1.937	136	2.668	173	3.399	210	4.130	247	4.862
26	0.494	63	1.225	100	1.957	137	2.688	174	3.419	211	4.150	248	4.881
27	0.514	64	1.245	101	1.976	138	2.708	175	3.439	212	4.170	249	4.901
28	0.534	65	1.265	102	1.996	139	2.727	176	3.458	213	4.190	250	4.921
29	0.553	66	1.285	103	2.016	140	2.747	177	3.478	214	4.209	251	4.941
30	0.573	67	1.304	104	2.036	141	2.767	178	3.498	215	4.229	252	4.960
31	0.593	68	1.324	105	2.055	142	2.787	179	3.518	216	4.249	253	4.980
32	0.613	69	1.344	106	2.075	143	2.806	180	3.538	217	4.269	254	5.000
33	0.632	70	1.364	107	2.095	144	2.826	181	3.557	218	4.289		
34	0.652	71	1.383	108	2.115	145	2.846	182	3.577	219	4.308		
35	0.672	72	1.403	109	2.134	146	2.866	183	3.597	220	4.328		
36	0.692	73	1.423	110	2.154	147	2.885	184	3.617	221	4.348		
37	0.711	74	1.443	111	2.174	148	2.905	185	3.636	222	4.368		

08/09/71
5 , 0

S-BAND REC 1-2 AGC VOLTAGE
INSTALLATION DATE OCT 30,1970

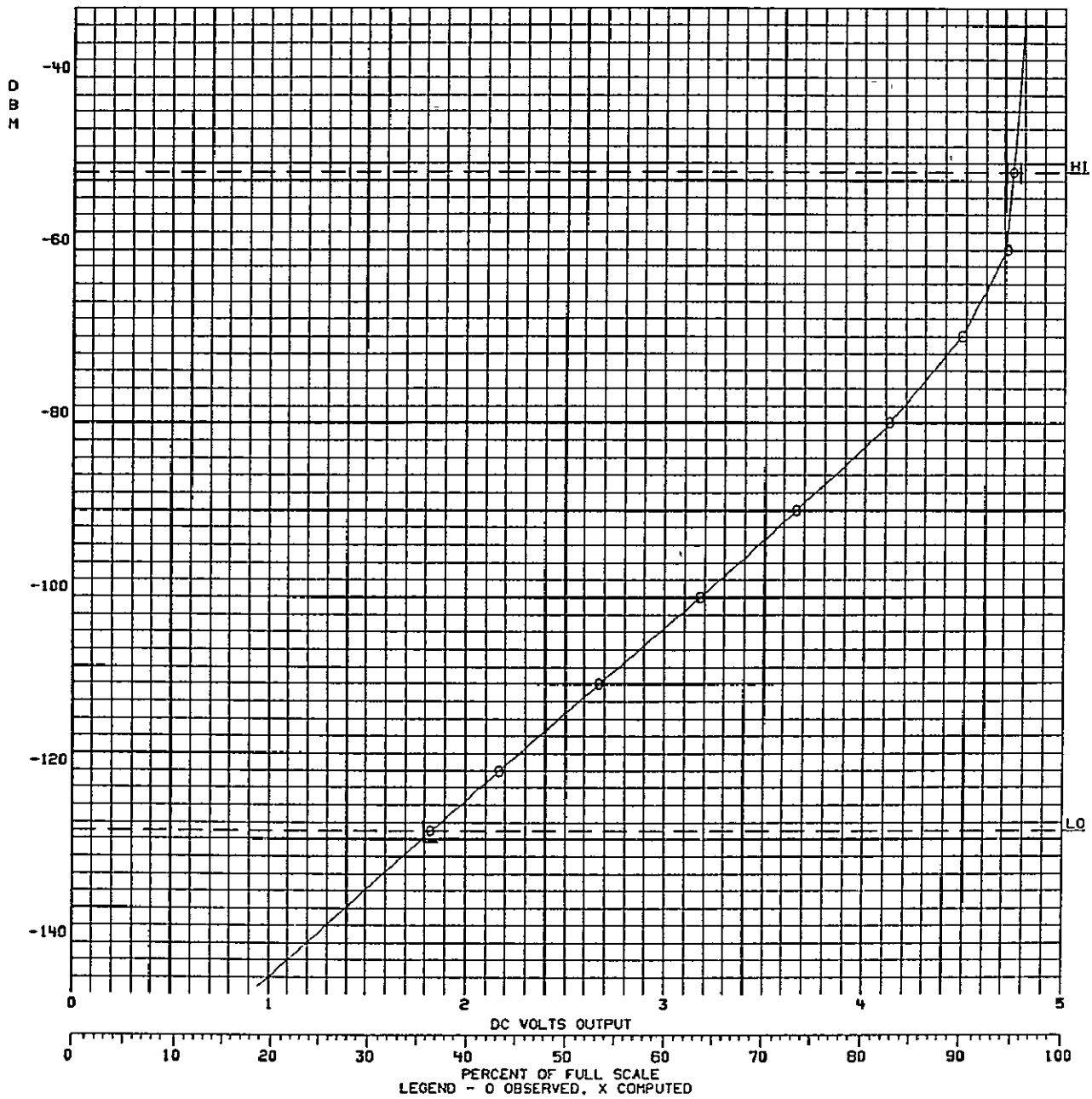
SC-113

HARDWARE CALIB NO. 82040- 1

SERIAL NO 061418020008

0459-77-53
0000 0038

RANGE
-127 0
TO
-51.00



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C T0620E-12-2

LOADING NO
1104044 12

MINIMUM
LOADING NO
1001108 12

This is a multiple mode measurement. It is one of two options. Transponder selection established during flight.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 08/09/71
MEASUREMENT C T0620 E - 12. 2. CALIBRATED 10/30/70
HARDWARE NUMBERS 82040- 1.

CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM
1U	-164.6765	38U	-149.6218	75U	-134.5672	112	-119.5265	149	-105.0019	186	-90.0807	223	-72.5735
2U	-164.2696	39U	-149.2149	76U	-134.1603	113	-119.1312	150	-104.6144	187	-89.6546	224	-72.0246
3U	-163.8627	40U	-148.8081	77U	-133.7534	114	-118.7360	151	-104.2269	188	-89.2249	225	-71.4756
4U	-163.4558	41U	-148.4012	78U	-133.3465	115	-118.3407	152	-103.8394	189	-88.7953	226	-70.9266
5U	-163.0489	42U	-147.9943	79U	-132.9397	116	-117.9454	153	-103.4519	190	-88.3657	227	-70.3777
6U	-162.6421	43U	-147.5874	80U	-132.5328	117	-117.5502	154	-103.0644	191	-87.9361	228	-69.7319
7U	-162.2352	44U	-147.1805	81U	-132.1259	118	-117.1549	155	-102.6769	192	-87.5064	229	-68.8726
8U	-161.8283	45U	-146.7737	82U	-131.7190	119	-116.7597	156	-102.2894	193	-87.0768	230	-68.0134
9U	-161.4214	46U	-146.3668	83U	-131.3121	120	-116.3644	157	-101.9019	194	-86.6472	231	-67.1541
10U	-161.0145	47U	-145.9599	84U	-130.9052	121	-115.9692	158	-101.5144	195	-86.2175	232	-66.2949
11U	-160.6076	48U	-145.5530	85U	-130.4984	122	-115.5739	159	-101.1269	196	-85.7879	233	-65.4356
12U	-160.2008	49U	-145.1461	86U	-130.0915	123	-115.1786	160	-100.7394	197	-85.3583	234	-64.5764
13U	-159.7939	50U	-144.7392	87U	-129.6846	124	-114.7834	161	-100.3518	198	-84.9287	235	-63.7171
14U	-159.3870	51U	-144.3324	88U	-129.2777	125	-114.3881	162	-99.9621	199	-84.4990	236	-62.8578
15U	-158.9801	52U	-143.9255	89U	-128.8708	126	-113.9929	163	-99.5504	200	-84.0694	237	-61.9986
16U	-158.5732	53U	-143.5186	90U	-128.4640	127	-113.5976	164	-99.1387	201	-83.6398	238	-61.1393
17U	-158.1664	54U	-143.1117	91U	-128.0571	128	-113.2024	165	-98.7269	202	-83.2102	239	-60.2801
18U	-157.7595	55U	-142.7048	92U	-127.6502	129	-112.8071	166	-98.3152	203	-82.7805	240	-56.0037
19U	-157.3526	56U	-142.2979	93U	-127.2433	130	-112.4118	167	-97.9035	204	-82.3509	241U	-50.0748
20U	-156.9457	57U	-141.8911	94	-126.8364	131	-112.0166	168	-97.4918	205	-81.9213	242U	-44.1460
21U	-156.5388	58U	-141.4842	95	-126.4295	132	-111.6213	169	-97.0800	206	-81.4916	243U	-38.2171
22U	-156.1319	59U	-141.0773	96	-126.0227	133	-111.2261	170	-96.6683	207	-81.0620	244U	-32.2883
23U	-155.7251	60U	-140.6704	97	-125.6158	134	-110.8308	171	-96.2566	208	-80.6324	245U	-26.3594
24U	-155.3182	61U	-140.2635	98	-125.2089	135	-110.4356	172	-95.8448	209	-80.2028	246U	-20.4306
25U	-154.9113	62U	-139.8567	99	-124.8020	136	-110.0403	173	-95.4331	210	-79.7101	247U	-14.5017
26U	-154.5044	63U	-139.4498	100	-124.3951	137	-109.6520	174	-95.0214	211	-79.1612	248U	-8.5729
27U	-154.0975	64U	-139.0429	101	-123.9883	138	-109.2645	175	-94.6097	212	-78.6122	249U	-2.6440
28U	-153.6907	65U	-138.6360	102	-123.5814	139	-108.8770	176	-94.1979	213	-78.0632	250U	3.2849
29U	-153.2838	66U	-138.2291	103	-123.1745	140	-108.4895	177	-93.7862	214	-77.5143	251U	9.2137
30U	-152.8769	67U	-137.8222	104	-122.7676	141	-108.1020	178	-93.3745	215	-76.9653	252U	15.1426
31U	-152.4700	68U	-137.4154	105	-122.3607	142	-107.7145	179	-92.9628	216	-76.4163	253U	21.0714
32U	-152.0631	69U	-137.0085	106	-121.9538	143	-107.3270	180	-92.5510	217	-75.8673	254U	27.0003
33U	-151.6562	70U	-136.6016	107	-121.5470	144	-106.9395	181	-92.1393	218	-75.3184		
34U	-151.2494	71U	-136.1947	108	-121.1401	145	-106.5520	182	-91.7276	219	-74.7694		
35U	-150.8425	72U	-135.7878	109	-120.7332	146	-106.1644	183	-91.3159	220	-74.2204		
36U	-150.4356	73U	-135.3810	110	-120.3263	147	-105.7769	184	-90.9041	221	-73.6715		
37U	-150.0287	74U	-134.9741	111	-119.9217	148	-105.3894	185	-90.4924	222	-73.1225		

(U --- CURVE UNDEFINED.)

08/09/71
5 , 0

S-BAND REC 1-2 AGC VOLTAGE
INSTALLATION DATE OCT 30,1970

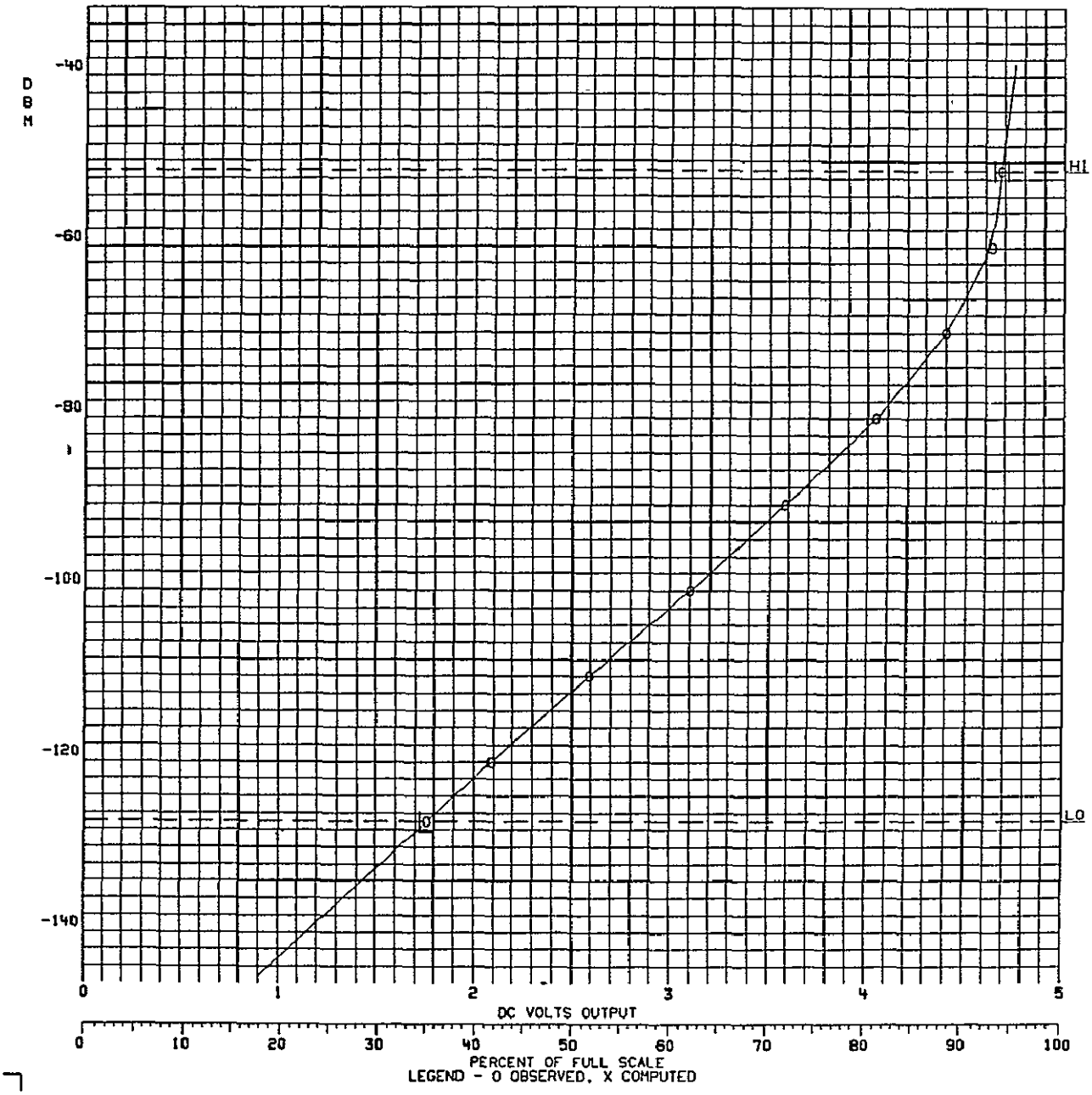
SC-113

HARDWARE CALIB. NO
82039- 1

SERIAL NO.
061418020008

0459-77-53
0000 0039

RANGE
-127.0
TO
-51 00



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C T0620E-22-2

LOADING NO
1104044 12

MINIMUM
LOADING NO
1001108 12

This is a multiple mode measurement. It is two of two options. Transponder selection established during flight.

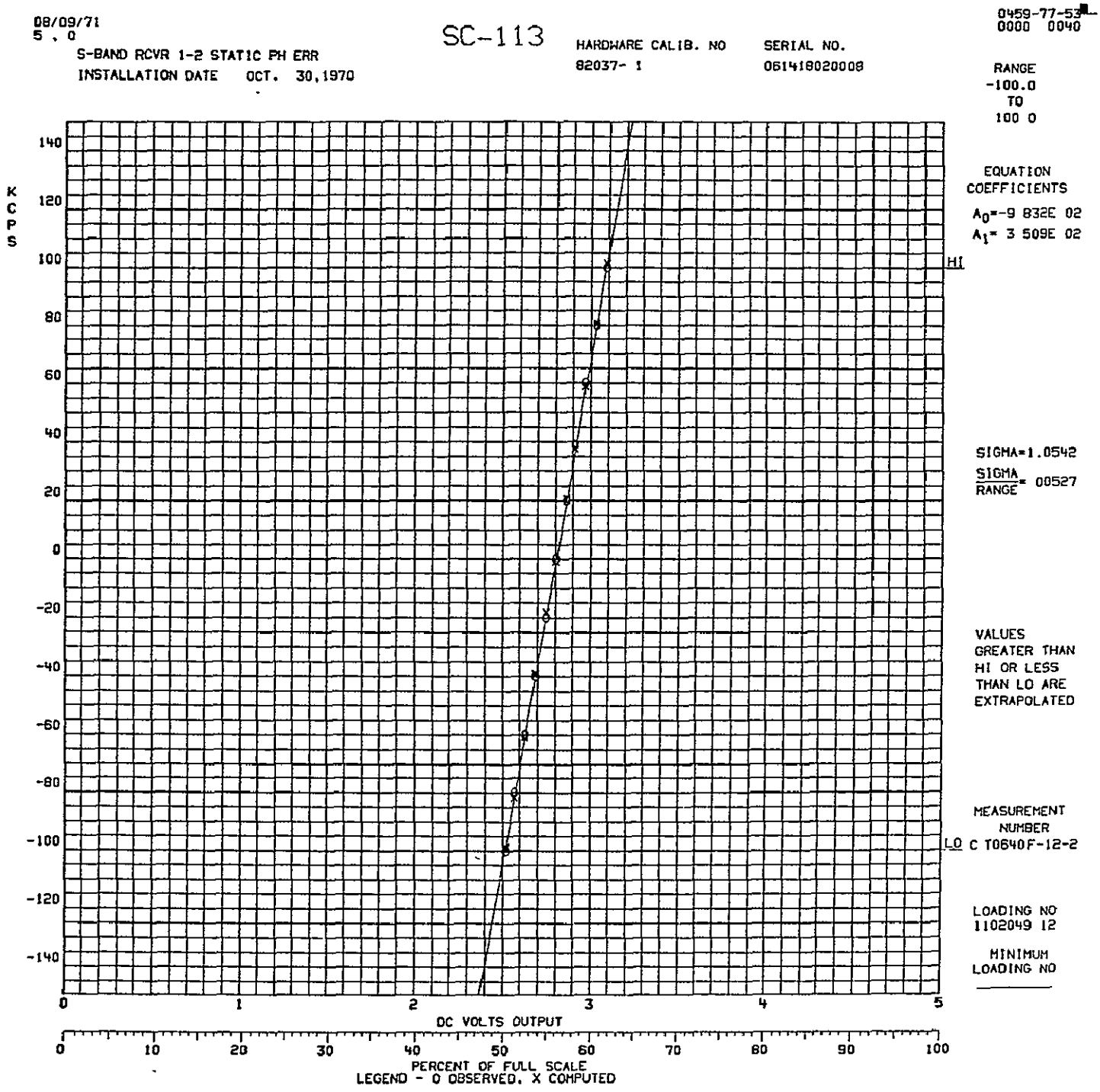
VEHICLE SC-113
MEASUREMENT C T0620 E - 22. 2.
HARDWARE NUMBERS 82039- 1.

TABLE OF COUNTS VS ENGINEERING UNITS
CALIBRATED 10/30/70

08/09/71

CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM	CNT	DBM
1U	-164.3333	38U	-148.8225	75U	-133.3116	112	-117.9265	149	-103.4333	186	-88.3451	223	-70.3513
2U	-163.9141	39U	-148.4033	76U	-132.8924	113	-117.5312	150	-103.0458	187	-87.9154	224	-69.6906
3U	-163.4949	40U	-147.9841	77U	-132.4732	114	-117.1360	151	-102.6583	188	-87.4858	225	-68.8314
4U	-163.0757	41U	-147.5649	78U	-132.0540	115	-116.7407	152	-102.2708	189	-87.0562	226	-67.9721
5U	-162.6565	42U	-147.1456	79U	-131.6348	116	-116.3454	153	-101.8833	190	-86.6266	227	-67.1129
6U	-162.2373	43U	-146.7264	80U	-131.2156	117	-115.9502	154	-101.4958	191	-86.1969	228	-66.2536
7U	-161.8181	44U	-146.3072	81U	-130.7964	118	-115.5549	155	-101.1083	192	-85.7673	229	-65.3944
8U	-161.3988	45U	-145.8880	82U	-130.3772	119	-115.1597	156	-100.7208	193	-85.3377	230	-64.5351
9U	-160.9796	46U	-145.4688	83U	-129.9580	120	-114.7644	157	-100.3332	194	-84.9080	231	-63.6759
10U	-160.5604	47U	-145.0496	84U	-129.5387	121	-114.3692	158	-99.9423	195	-84.4784	232	-62.8166
11U	-160.1412	48U	-144.6304	85U	-129.1195	122	-113.9739	159	-99.5306	196	-84.0488	233	-61.9573
12U	-159.7220	49U	-144.2112	86U	-128.7003	123	-113.5786	160	-99.1189	197	-83.6192	234	-61.0981
13U	-159.3028	50U	-143.7919	87U	-128.2811	124	-113.1834	161	-98.7072	198	-83.1895	235	-60.2388
14U	-158.8836	51U	-143.3727	88U	-127.8619	125	-112.7881	162	-98.2954	199	-82.7599	236	-57.4315
15U	-158.4644	52U	-142.9535	89U	-127.4427	126	-112.3929	163	-97.8837	200	-82.3303	237	-53.8742
16U	-158.0452	53U	-142.5343	90U	-127.0235	127	-111.9976	164	-97.4720	201	-81.9007	238U	-50.3168
17U	-157.6259	54U	-142.1151	91	-126.6043	128	-111.6024	165	-97.0603	202	-81.4710	239U	-46.7595
18U	-157.2067	55U	-141.6959	92	-126.1850	129	-111.2071	166	-96.6485	203	-81.0414	240U	-43.2022
19U	-156.7875	56U	-141.2767	93	-125.7658	130	-110.8118	167	-96.2368	204	-80.6118	241U	-39.6449
20U	-156.3683	57U	-140.8575	94	-125.3466	131	-110.4166	168	-95.8251	205	-80.1821	242U	-36.0876
21U	-155.9491	58U	-140.4383	95	-124.9274	132	-110.0213	169	-95.4134	206	-79.6838	243U	-32.5303
22U	-155.5299	59U	-140.0190	96	-124.5082	133	-109.6334	170	-95.0016	207	-79.1348	244U	-28.9730
23U	-155.1107	60U	-139.5998	97	-124.0890	134	-109.2459	171	-94.5899	208	-78.5858	245U	-25.4157
24U	-154.6915	61U	-139.1806	98	-123.6698	135	-108.8584	172	-94.1782	209	-78.0369	246U	-21.8583
25U	-154.2722	62U	-138.7614	99	-123.2506	136	-108.4709	173	-93.7665	210	-77.4879	247U	-18.3010
26U	-153.8530	63U	-138.3422	100	-122.8313	137	-108.0834	174	-93.3547	211	-76.9389	248U	-14.7437
27U	-153.4338	64U	-137.9230	101	-122.4121	138	-107.6959	175	-92.9430	212	-76.3900	249U	-11.1864
28U	-153.0146	65U	-137.5038	102	-121.9929	139	-107.3084	176	-92.5313	213	-75.8410	250U	-7.6291
29U	-152.5954	66U	-137.0846	103	-121.5737	140	-106.9209	177	-92.1196	214	-75.2920	251U	-4.0718
30U	-152.1762	67U	-136.6653	104	-121.1545	141	-106.5334	178	-91.7078	215	-74.7431	252U	-0.5145
31U	-151.7570	68U	-136.2461	105	-120.7353	142	-106.1458	179	-91.2961	216	-74.1941	253U	3.0428
32U	-151.3378	69U	-135.8269	106	-120.3161	143	-105.7583	180	-90.8844	217	-73.6451	254U	6.6002
33U	-150.9186	70U	-135.4077	107	-119.9028	144	-105.3708	181	-90.4726	218	-73.0962		
34U	-150.4993	71U	-134.9885	108	-119.5075	145	-104.9833	182	-90.0609	219	-72.5472		
35U	-150.0801	72U	-134.5693	109	-119.1122	146	-104.5958	183	-89.6339	220	-71.9982		
36U	-149.6609	73U	-134.1501	110	-118.7170	147	-104.2083	184	-89.2043	221	-71.4493		
37U	-149.2417	74U	-133.7309	111	-118.3217	148	-103.8208	185	-88.7747	222	-70.9003		

(U --- CURVE UNDEFINED.)



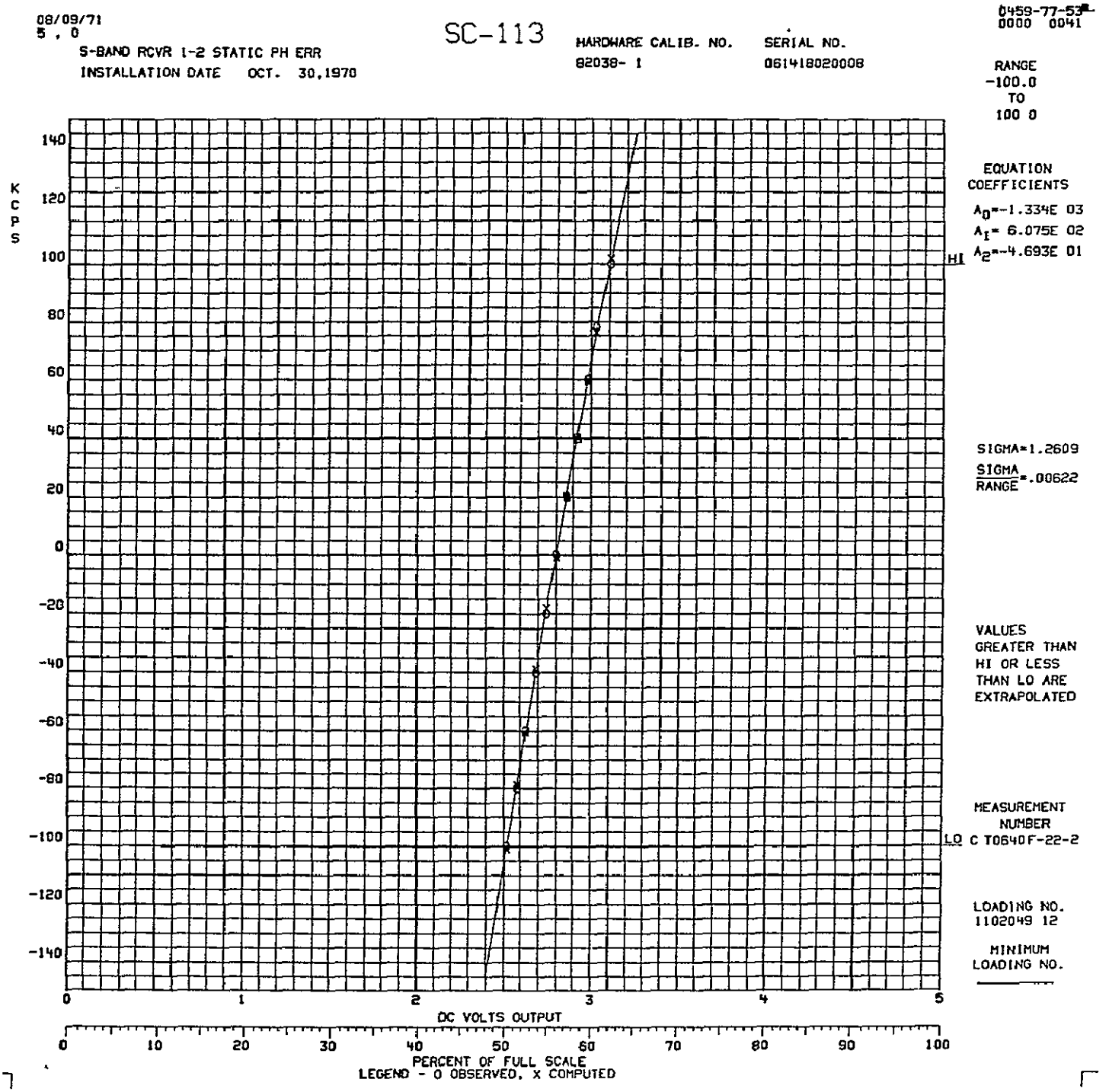
This is a multiple mode measurement. It is one of two options. Transponder selection is established during the flight.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 08/09/71
MEASUREMENT C T0640 F - 12. 2. CALIBRATED 10/30/70
HARDWARE NUMBERS 82037- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1*	-983.1851	38*	-726.5910	75*	-469.9969	112*	-213.4029	149	43.1912	186*	299.7853	223*	556.3793
2*	-976.2501	39*	-719.6560	76*	-463.0620	113*	-206.4679	150	50.1262	187*	306.7202	224*	563.3143
3*	-969.3151	40*	-712.7211	77*	-456.1270	114*	-199.5329	151	57.0612	188*	313.6552	225*	570.2493
4*	-962.3802	41*	-705.7861	78*	-449.1920	115*	-192.5979	152	63.9961	189*	320.5902	226*	577.1843
5*	-955.4452	42*	-698.8511	79*	-442.2570	116*	-185.6630	153	70.9311	190*	327.5252	227*	584.1192
6*	-948.5102	43*	-691.9161	80*	-435.3221	117*	-178.7280	154	77.8661	191*	334.4601	228*	591.0542
7*	-941.5752	44*	-684.9812	81*	-428.3871	118*	-171.7930	155	84.8011	192*	341.3951	229*	597.9892
8*	-934.6403	45*	-678.0462	82*	-421.4521	119*	-164.8580	156	91.7360	193*	348.3301	230*	604.9242
9*	-927.7053	46*	-671.1112	83*	-414.5171	120*	-157.9231	157	98.6710	194*	355.2651	231*	611.8591
10*	-920.7703	47*	-664.1762	84*	-407.5822	121*	-150.9881	158*	105.6060	195*	362.2000	232*	618.7941
11*	-913.8353	48*	-657.2413	85*	-400.6472	122*	-144.0531	159*	112.5410	196*	369.1350	233*	625.7291
12*	-906.9004	49*	-650.3063	86*	-393.7122	123*	-137.1181	160*	119.4759	197*	376.0700	234*	632.6641
13*	-899.9654	50*	-643.3713	87*	-386.7772	124*	-130.1832	161*	126.4109	198*	383.0050	235*	639.5990
14*	-893.0304	51*	-636.4363	88*	-379.8423	125*	-123.2482	162*	133.3459	199*	389.9399	236*	646.5340
15*	-886.0954	52*	-629.5014	89*	-372.9073	126*	-116.3132	163*	140.2809	200*	396.8749	237*	653.4690
16*	-879.1605	53*	-622.5664	90*	-365.9723	127*	-109.3782	164*	147.2158	201*	403.8099	238*	660.4040
17*	-872.2255	54*	-615.6314	91*	-359.0373	128*	-102.4433	165*	154.1508	202*	410.7449	239*	667.3389
18*	-865.2905	55*	-608.6964	92*	-352.1024	129	-95.5083	166*	161.0858	203*	417.6798	240*	674.2739
19*	-858.3555	56*	-601.7615	93*	-345.1674	130	-88.5733	167*	168.0208	204*	424.6148	241*	681.2089
20*	-851.4206	57*	-594.8265	94*	-338.2324	131	-81.6383	168*	174.9557	205*	431.5498	242*	688.1439
21*	-844.4856	58*	-587.8915	95*	-331.2974	132	-74.7034	169*	181.8907	206*	438.4848	243*	695.0788
22*	-837.5506	59*	-580.9565	96*	-324.3625	133	-67.7684	170*	188.8257	207*	445.4197	244*	702.0138
23*	-830.6156	60*	-574.0216	97*	-317.4275	134	-60.8334	171*	195.7607	208*	452.3547	245*	708.9488
24*	-823.6807	61*	-567.0866	98*	-310.4925	135	-53.8984	172*	202.6956	209*	459.2897	246*	715.8838
25*	-816.7457	62*	-560.1516	99*	-303.5575	136	-46.9635	173*	209.6306	210*	466.2247	247*	722.8187
26*	-809.8107	63*	-553.2166	100*	-296.6226	137	-40.0285	174*	216.5656	211*	473.1596	248*	729.7537
27*	-802.8757	64*	-546.2817	101*	-289.6876	138	-33.0935	175*	223.5006	212*	480.0946	249*	736.6887
28*	-795.9408	65*	-539.3467	102*	-282.7526	139	-26.1585	176*	230.4355	213*	487.0296	250*	743.6237
29*	-789.0058	66*	-532.4117	103*	-275.8176	140	-19.2236	177*	237.3705	214*	493.9646	251*	750.5586
30*	-782.0708	67*	-525.4767	104*	-268.8827	141	-12.2886	178*	244.3055	215*	500.8995	252*	757.4936
31*	-775.1358	68*	-518.5418	105*	-261.9477	142	-5.3536	179*	251.2404	216*	507.8345	253*	764.4286
32*	-768.2009	69*	-511.6068	106*	-255.0127	143	1.5814	180*	258.1754	217*	514.7695	254*	771.3636
33*	-761.2659	70*	-504.6718	107*	-248.0777	144	8.5163	181*	265.1104	218*	521.7045		
34*	-754.3309	71*	-497.7368	108*	-241.1428	145	15.4513	182*	272.0454	219*	528.6394		
35*	-747.3959	72*	-490.8019	109*	-234.2078	146	22.3863	183*	278.9803	220*	535.5744		
36*	-740.4610	73*	-483.8669	110*	-227.2728	147	29.3213	184*	285.9153	221*	542.5094		
37*	-733.5260	74*	-476.9319	111*	-220.3378	148	36.2562	185*	292.8503	222*	549.4444		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

892 5



This is a multiple mode measurement. It is two of two options. Transponder selection is established during the flight.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 08/09/71
MEASUREMENT C T0640 F - 22. 2. CALIBRATED 10/30/70
HARDWARE NUMBERS 82038- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	**********	38*	-914.6738	75*	-545.6963	112*	-226.9011	149	41.7116	186*	260.1420	223*	428.3900
2	**********	39*	-904.0416	76*	-536.4204	113*	-218.9815	150	48.2750	187*	265.3491	224*	432.2408
3	**********	40*	-893.4461	77*	-527.1811	114*	-211.0986	151	54.8016	188*	270.5195	225*	436.0549
4	**********	41*	-882.8872	78*	-517.9785	115*	-203.2523	152	61.2917	189*	275.6532	226*	439.8324
5	**********	42*	-872.3650	79*	-508.8126	116*	-195.4426	153	67.7450	190*	280.7503	227*	443.5732
6	**********	43*	-861.8795	80*	-499.6833	117*	-187.6696	154	74.1617	191*	285.8107	228*	447.2774
7	**********	44*	-851.4306	81*	-490.5907	118*	-179.9333	155	80.5418	192*	290.8345	229*	450.9449
8	**********	45*	-841.0183	82*	-481.5348	119*	-172.2336	156	86.8852	193*	295.8216	230*	454.5757
9	**********	46*	-830.6427	83*	-472.5155	120*	-164.5706	157	93.1919	194*	300.7721	231*	458.1699
10	**********	47*	-820.3038	84*	-463.5328	121*	-156.9442	158	99.4620	195*	305.6859	232*	461.7274
11	**********	48*	-810.0015	85*	-454.5868	122*	-149.3545	159*	105.6955	196*	310.5631	233*	465.2483
12	**********	49*	-799.7359	86*	-445.6775	123*	-141.8014	160*	111.8922	197*	315.4035	234*	468.7325
13	**********	50*	-789.5070	87*	-436.8048	124*	-134.2850	161*	118.0524	198*	320.2074	235*	472.1800
14	**********	51*	-779.3147	88*	-427.9688	125*	-126.8053	162*	124.1758	199*	324.9746	236*	475.5909
15	**********	52*	-769.1590	89*	-419.1694	126*	-119.3622	163*	130.2626	200*	329.7051	237*	478.9652
16	**********	53*	-759.0400	90*	-410.4067	127*	-111.9558	164*	136.3128	201*	334.3990	238*	482.3028
17	**********	54*	-748.9577	91*	-401.6807	128*	-104.5860	165*	142.3263	202*	339.0562	239*	485.6037
18	**********	55*	-738.9120	92*	-392.9913	129	-97.2529	166*	148.3031	203*	343.6767	240*	488.8680
19	**********	56*	-728.9030	93*	-384.3385	130	-89.9564	167*	154.2433	204*	348.2606	241*	492.0956
20	**********	57*	-718.9306	94*	-375.7224	131	-82.6966	168*	160.1468	205*	352.8079	242*	495.2866
21	**********	58*	-708.9949	95*	-367.1430	132	-75.4735	169*	166.0137	206*	357.3185	243*	498.4409
22	**********	59*	-699.0959	96*	-358.6002	133	-68.2870	170*	171.8439	207*	361.7924	244*	501.5585
23	**********	60*	-689.2335	97*	-350.0941	134	-61.1372	171*	177.6374	208*	366.2297	245*	504.6395
24	**********	61*	-679.4077	98*	-341.6247	135	-54.0240	172*	183.3943	209*	370.6303	246*	507.6839
25	**********	62*	-669.6186	99*	-333.1919	136	-46.9475	173*	189.1146	210*	374.9942	247*	510.6915
26	**********	63*	-659.8662	100*	-324.7957	137	-39.9076	174*	194.7982	211*	379.3216	248*	513.6626
27	**********	64*	-650.1504	101*	-316.4362	138	-32.9044	175*	200.4451	212*	383.6122	249*	516.5969
28	**********	65*	-640.4713	102*	-308.1134	139	-25.9378	176*	206.0554	213*	387.8662	250*	519.4947
29	**********	66*	-630.8289	103*	-299.8272	140	-19.0079	177*	211.6290	214*	392.0835	251*	522.3557
30	**********	67*	-621.2231	104*	-291.5777	141	-12.1147	178*	217.1660	215*	396.2642	252*	525.1801
31*	-990.1254	68*	-611.6539	105*	-283.3648	142	-5.2581	179*	222.6663	216*	400.4082	253*	527.9679
32*	-979.2366	69*	-602.1214	106*	-275.1886	143	1.5618	180*	228.1299	217*	404.5156	254*	530.7189
33*	-968.3845	70*	-592.6256	107*	-267.0491	144	8.3451	181*	233.5569	218*	408.5863		
34*	-957.5690	71*	-583.1664	108*	-258.9462	145	15.0917	182*	238.9472	219*	412.6204		
35*	-946.7902	72*	-573.7439	109*	-250.8799	146	21.8017	183*	244.3009	220*	416.6178		
36*	-936.0481	73*	-564.3580	110*	-242.8503	147	28.4750	184*	249.6179	221*	420.5785		
37*	-925.3426	74*	-555.0088	111*	-234.8574	148	35.1116	185*	254.8983	222*	424.5026		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

SECTION 6
service module analog measurements

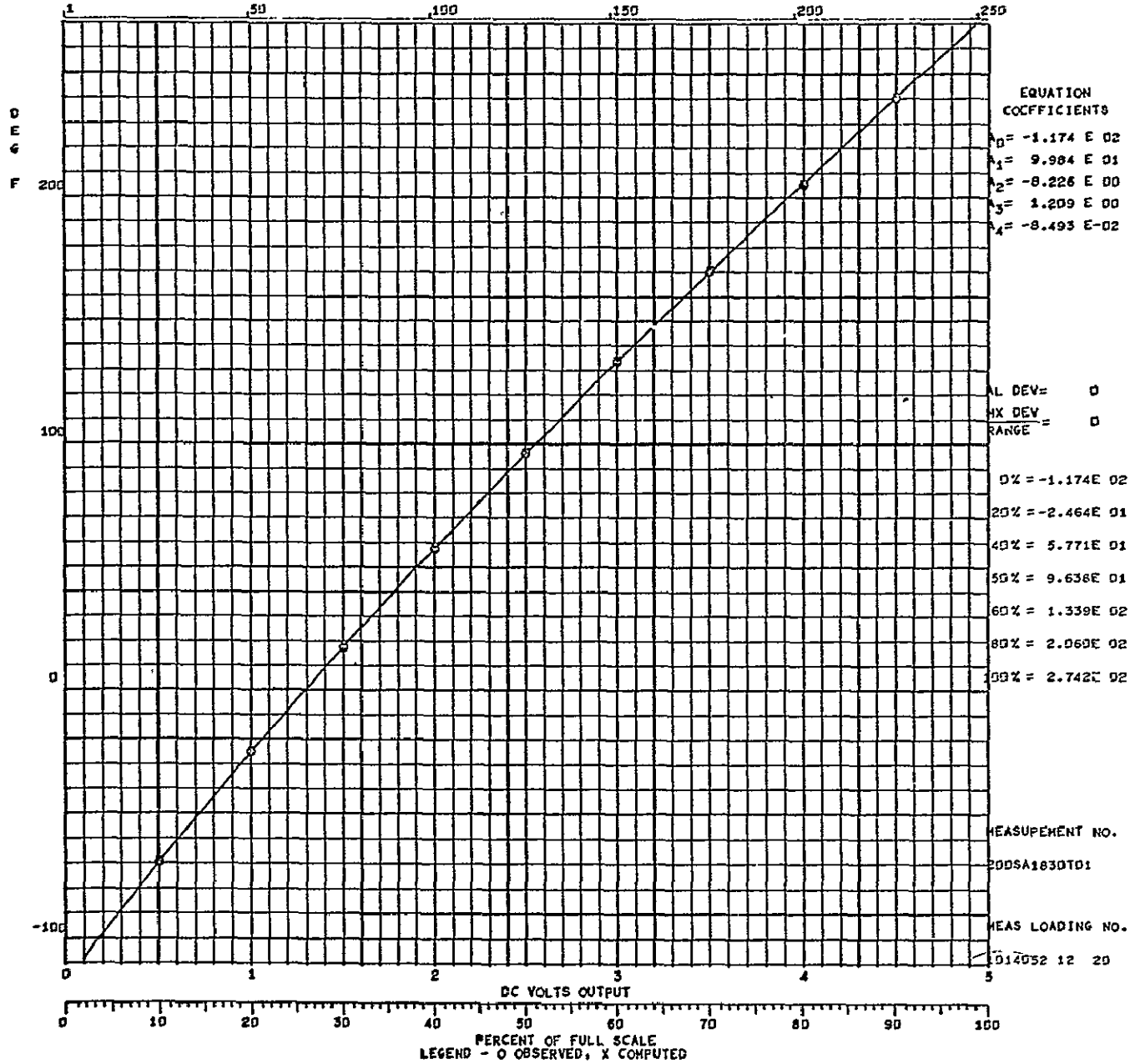
09/27/71
4 INSTALLATION DATE FEB. 25,1969
TEMP SH $KIN SURF LOC 1A
CAL RANGE -117.378 TO 274.190

SC-113

HARDWARE CALIB. NO.
76109 01
76680 01
00

SERIAL NO.
N/A
124

=21515



EQUATION COEFFICIENTS

A_0= -1.174 E 02
A_1= 9.984 E 01
A_2= -8.226 E 00
A_3= 1.209 E 00
A_4= -8.493 E-02

AL DEV= 0
HX DEV / RANGE = 0

0% = -1.174E 02
20% = -2.464E 01
40% = 5.771E 01
50% = 9.638E 01
60% = 1.339E 02
80% = 2.060E 02
100% = 2.742E 02

MEASUREMENT NO.
20DSA1830TD1

MEAS LOADING NO.
1014052 12 20

6 001

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SK SKIN SURF LOC 1A

MEASUREMENT NO. 200SA183GT01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 124
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/25/69

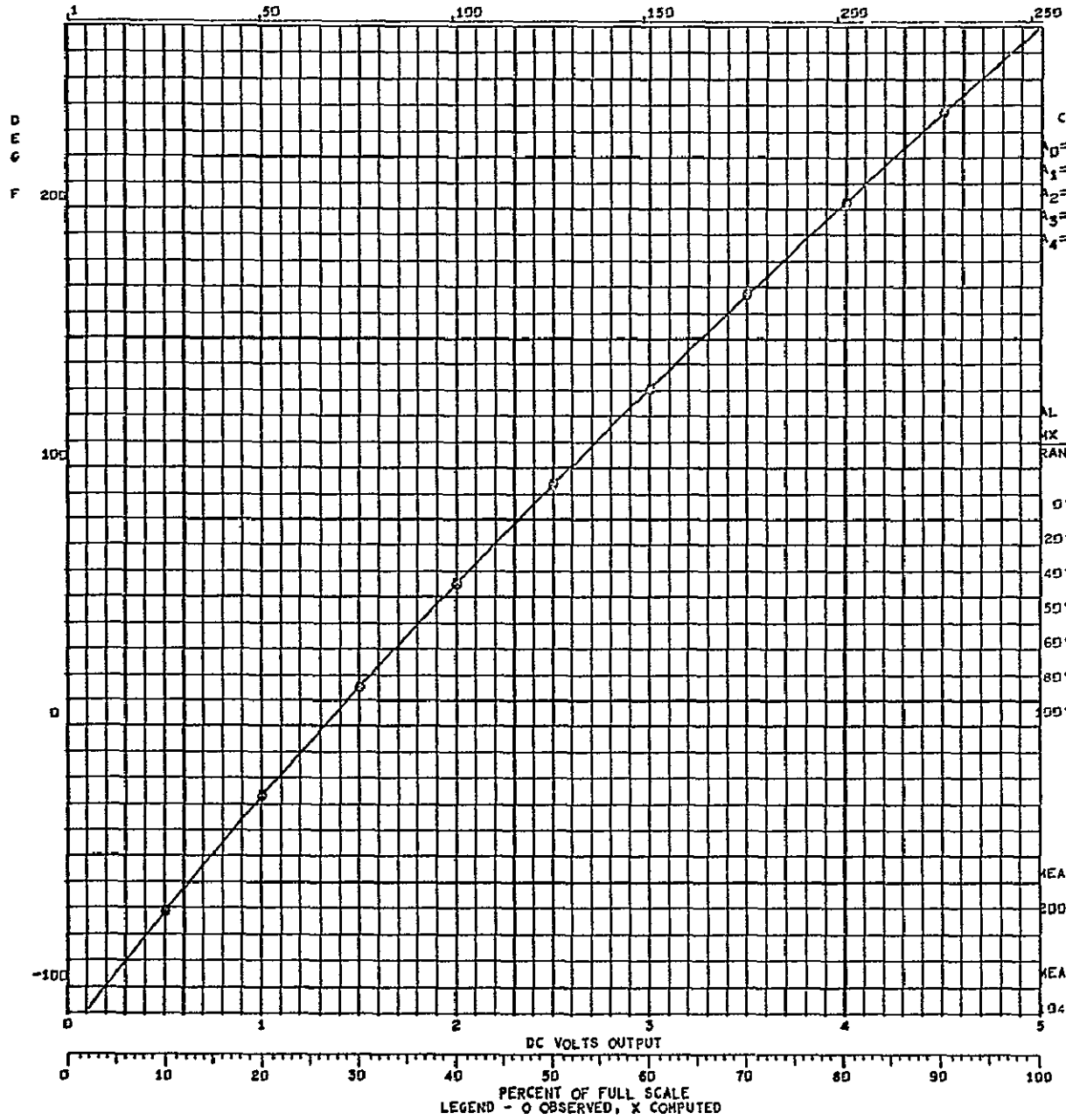
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-117.378	38	-48.323	75	14.431	112	72.845	149	128.299	186	181.590	223	232.929
2	-115.408	39	-46.554	76	16.059	113	74.378	150	129.766	187	183.003	224	234.288
3	-113.445	40	-44.790	77	17.684	114	75.909	151	131.231	188	184.415	225	235.644
4	-111.487	41	-43.030	78	19.306	115	77.437	152	132.694	189	185.826	226	236.999
5	-109.536	42	-41.275	79	20.925	116	78.964	153	134.156	190	187.235	227	238.353
6	-107.592	43	-39.524	80	22.542	117	80.488	154	135.616	191	188.643	228	239.704
7	-105.653	44	-37.778	81	24.155	118	82.011	155	137.075	192	190.050	229	241.054
8	-103.721	45	-36.035	82	25.765	119	83.531	156	138.533	193	191.455	230	242.402
9	-101.794	46	-34.297	83	27.372	120	85.050	157	139.989	194	192.859	231	243.749
10	-99.874	47	-32.563	84	28.977	121	86.566	158	141.443	195	194.261	232	245.093
11	-97.959	48	-30.834	85	30.578	122	88.081	159	142.896	196	195.662	233	246.436
12	-96.050	49	-29.108	86	32.177	123	89.594	160	144.348	197	197.062	234	247.777
13	-94.148	50	-27.387	87	33.773	124	91.104	161	145.798	198	198.460	235	249.116
14	-92.251	51	-25.670	88	35.366	125	92.613	162	147.246	199	199.857	236	250.453
15	-90.359	52	-23.956	89	36.956	126	94.120	163	148.693	200	201.252	237	251.789
16	-88.474	53	-22.247	90	38.544	127	95.625	164	150.139	201	202.646	238	253.123
17	-86.594	54	-20.542	91	40.129	128	97.129	165	151.583	202	204.038	239	254.454
18	-84.719	55	-18.840	92	41.712	129	98.630	166	153.026	203	205.429	240	255.784
19	-82.850	56	-17.142	93	43.291	130	100.130	167	154.468	204	206.818	241	257.112
20	-80.987	57	-15.449	94	44.869	131	101.628	168	155.908	205	208.206	242	258.438
21	-79.129	58	-13.758	95	46.443	132	103.124	169	157.346	206	209.593	243	259.762
22	-77.276	59	-12.072	96	48.015	133	104.618	170	158.784	207	210.978	244	261.084
23	-75.428	60	-10.389	97	49.585	134	106.111	171	160.219	208	212.361	245	262.404
24	-73.586	61	-8.711	98	51.152	135	107.601	172	161.654	209	213.744	246	263.722
25	-71.749	62	-7.035	99	52.717	136	109.091	173	163.087	210	215.124	247	265.038
26	-69.918	63	-5.363	100	54.279	137	110.578	174	164.518	211	216.503	248	266.352
27	-68.091	64	-3.695	101	55.839	138	112.064	175	165.949	212	217.881	249	267.663
28	-66.270	65	-2.031	102	57.396	139	113.548	176	167.378	213	219.256	250	268.973
29	-64.453	66	-0.369	103	58.951	140	115.030	177	168.805	214	220.631	251	270 281
30	-62.642	67	1.288	104	60.504	141	116.511	178	170.231	215	222.004	252	271.586
31	-60.835	68	2.943	105	62.055	142	117.990	179	171.656	216	223.375	253	272.889
32	-59.033	69	4.594	106	63.603	143	119.468	180	173.079	217	224.745	254	274.190
33	-57.236	70	6 241	107	65.149	144	120.944	181	174.501	218	226.113		
34	-55.444	71	7.886	108	66.692	145	122.418	182	175.921	219	227.479		
35	-53.657	72	9.527	109	68.234	146	123.891	183	177.340	220	228.844		
36	-51.875	73	11.165	110	69.773	147	125.362	184	178.758	221	230.208		
37	-50.097	74	12.799	111	71.310	148	126.831	185	180.175	222	231.569		

09/27/71
4 INSTALLATION DATE FEB. 25,1969
TEMP SM SKIN SURF LOC 4A
CAL RANGE -116.920 TO 270.681

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76109 01	N/A
76681 01	125
00	

=21515



EQUATION COEFFICIENTS

A_0= -1.189 E 02
A_1= 9.934 E 01
A_2= -8.158 E 00
A_3= 1.187 E 00
A_4= -8.239 E-02

AL DEV= 0
MX DEV = 0
RANGE

0% =-1.189E 02
20% =-2.664E 01
40% = 5.530E 01
50% = 9.376E 01
60% = 1.310E 02
80% = 2 028E 02
100% = 2.707E 02

MEASUREMENT NO.
200SA1831T01

MEAS LOADING NO.
1948084 12 29

CALIBRATION-TABLE-OF 8-BIT-COUNTS VS-ENGINEERING UNITS-####

TEMP SM SKIN SURF LOC 4A

MEASUREMENT NO. 200SA1831T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 125
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/25/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-118.920	38	-50.233	75	12.244	112	70.358	149	125.519	186	178.505	223	229.583
2	-116.960	39	-48.443	76	13.864	113	71.883	150	126.968	187	179.911	224	230.935
3	-115.006	40	-46.687	77	15.481	114	73.405	151	128.425	188	181 315	225	232.285
4	-113.059	41	-44.936	78	17.095	115	74.926	152	129.880	189	182.718	226	233.634
5	-111.118	42	-43.189	79	18.706	116	76.444	153	131.334	190	184.120	227	234.981
6	-109.182	43	-41.447	80	20.314	117	77.961	154	132.786	191	185.521	228	236.327
7	-107.253	44	-39.709	81	21.919	118	79.475	155	134.237	192	186.920	229	237.671
8	-105.331	45	-37.975	82	23.522	119	80.987	156	135.686	193	188.317	230	239.013
9	-103.414	46	-36.245	83	25.121	120	82.498	157	137.134	194	189.714	231	240.354
10	-101.503	47	-34.520	84	26.717	121	84.006	158	138.581	195	191.109	232	241.693
11	-99.598	48	-32.798	85	28.310	122	85.512	159	140.025	196	192.502	233	243.030
12	-97.698	49	-31.081	86	29.901	123	87.017	160	141.469	197	193.894	234	244.365
13	-95.805	50	-29.368	87	31.489	124	88.520	161	142.911	198	195.285	235	245.699
14	-93.917	51	-27.659	88	33.074	125	90.020	162	144.351	199	196.674	236	247.031
15	-92.035	52	-25.954	89	34.656	126	91.519	163	145.790	200	198 062	237	248.361
16	-90.159	53	-24.253	90	36.236	127	93.016	164	147.228	201	199.449	238	249.689
17	-88.288	54	-22.556	91	37.813	128	94.511	165	148.664	202	200.834	239	251.015
18	-86.423	55	-20.863	92	39.387	129	96 004	166	150.099	203	202.218	240	252.340
19	-84.563	56	-19.173	93	40.959	130	97.496	167	151.533	204	203.600	241	253.663
20	-82.708	57	-17.488	94	42.528	131	98.985	168	152.965	205	204.981	242	254.984
21	-80.859	58	-15.806	95	44.095	132	100.473	169	154.395	206	206.360	243	256.303
22	-79.016	59	-14.128	96	45.659	133	101.960	170	155.824	207	207.738	244	257.620
23	-77.177	60	-12.454	97	47.220	134	103.444	171	157.252	208	209.115	245	258.935
24	-75.344	61	-10.783	98	48.779	135	104.927	172	158.679	209	210.490	246	260.248
25	-73.516	62	-9.116	99	50.336	136	106.408	173	160.104	210	211.863	247	261.559
26	-71.693	63	-7.452	100	51.890	137	107.887	174	161.528	211	213.235	248	262.869
27	-69.876	64	-5.792	101	53.442	138	109.364	175	162.950	212	214.606	249	264.176
28	-68.063	65	-4.136	102	54.991	139	110.840	176	164.371	213	215.975	250	265.481
29	-66.255	66	-2.483	103	56.538	140	112.315	177	165.790	214	217.343	251	266.784
30	-64.452	67	-0.833	104	58.082	141	113.787	178	167.208	215	218.709	252	268.086
31	-62.655	68	0.813	105	59 625	142	115.258	179	168.625	216	220.074	253	269.385
32	-60.862	69	2.456	106	61.165	143	116.727	180	170.041	217	221.437	254	270.682
33	-59.073	70	4.095	107	62.703	144	118.195	181	171.455	218	222.798		
34	-57.290	71	5.732	108	64.238	145	119.661	182	172.868	219	224.158		
35	-55.511	72	7.365	109	65.771	146	121.126	183	174.279	220	225.517		
36	-53.737	73	8.994	110	67.303	147	122.589	184	175.689	221	226.874		
37	-51.968	74	10.621	111	68.831	148	124.050	185	177.098	222	228 229		

09/27/71

4 INSTALLATION DATE FEB. 25,1969

TEMP SM SKIN SURF LOC 7A

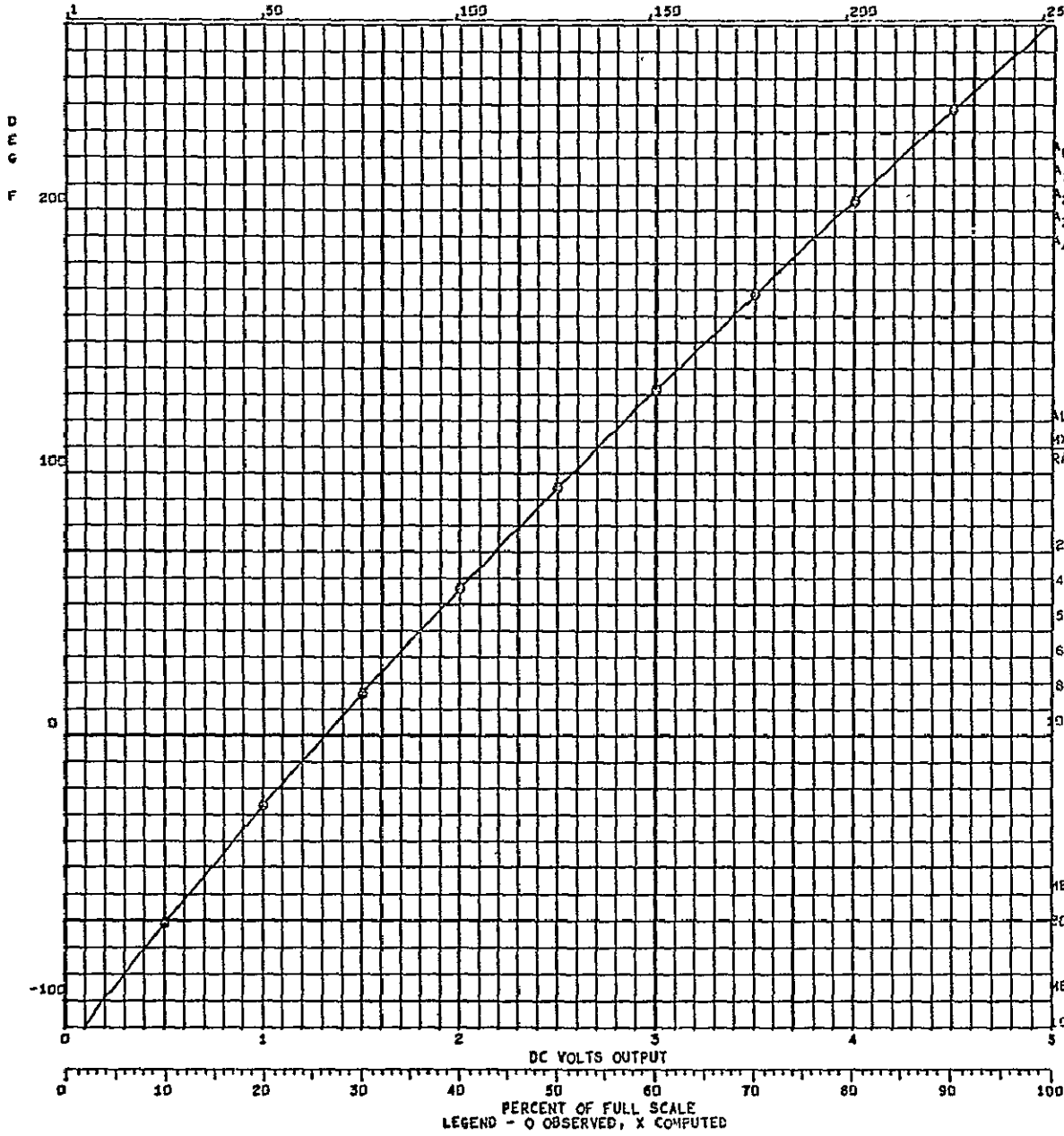
CAL RANGE -118.492 TO 272.196

SC-113

HARDWARE CALIB. NO.
76109 01
76682 01
00

SERIAL NO.
N/A
126

=21515



EQUATION COEFFICIENTS

A_0= -1.185 E 02
A_1= 9.964 E 01
A_2= -8.204 E 00
A_3= 1.199 E 00
A_4= -8.364 E-02

AL DEV= 0
MX DEV = 0
RANGE

0% =-1.185E 02
20% =-2.594E 01
40% = 5.623E 01
50% = 9.480E 01
60% = 1.322E 02
80% = 2.041E 02
100% = 2.722E 02

MEASUREMENT NO.
200SA1832T01

MEAS LOADING NO.
1914084 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP SM SKIN SURF LOC 7A

MEASUREMENT NO. 2005A1832T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 126
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/25/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-118.492	38	-49.574	75	13.049	112	71.327	149	126.640	186	179.790	223	231.007
2	-116.526	39	-47.809	76	14.673	113	72.856	150	128.103	187	181.200	224	232.362
3	-114.567	40	-46.048	77	16.295	114	74.383	151	129.564	188	182.608	225	233.716
4	-112.613	41	-44.292	78	17.914	115	75.908	152	131.023	189	184.015	226	235.068
5	-110.666	42	-42.540	79	19.529	116	77.431	153	132.481	190	185.421	227	236.419
6	-108.725	43	-40.793	80	21.142	117	78.952	154	133.938	191	186.826	228	237.768
7	-106.791	44	-39.050	81	22.751	118	80.470	155	135.393	192	188.229	229	239.115
8	-104.862	45	-37.311	82	24.358	119	81.987	156	136.846	193	189.630	230	240.460
9	-102.939	46	-35.577	83	25.961	120	83.502	157	138.298	194	191.031	231	241.804
10	-101.023	47	-33 846	84	27.562	121	85.015	158	139.749	195	192.429	232	243.146
11	-99.112	48	-32.120	85	29.160	122	86.525	159	141.198	196	193.827	233	244.486
12	-97.207	49	-30.398	86	30.755	123	88.034	160	142.646	197	195.223	234	245.825
13	-95.308	50	-28.680	87	32.348	124	89.541	161	144.092	198	196.617	235	247.161
14	-93.415	51	-26.967	88	33.937	125	91.046	162	145.537	199	198.011	236	248.496
15	-91.527	52	-25.257	89	35.524	126	92.549	163	146.980	200	199.402	237	249.829
16	-89.645	53	-23.551	90	37.108	127	94.051	164	148.422	201	200.793	238	251.161
17	-87.769	54	-21.849	91	38.689	128	95.550	165	149.862	202	202.182	239	252.490
18	-85.898	55	-20.151	92	40.268	129	97.048	166	151.301	203	203.569	240	253.817
19	-84.033	56	-18.457	93	41.844	130	98.544	167	152.739	204	204.955	241	255.143
20	-82.173	57	-16.767	94	43.418	131	100.038	168	154.175	205	206.340	242	256.467
21	-80.318	58	-15.080	95	44.989	132	101.530	169	155.610	206	207.723	243	257.789
22	-78.469	59	-13.397	96	46 557	133	103.020	170	157.044	207	209.105	244	259.109
23	-76.626	60	-11.718	97	48.123	134	104.509	171	158 476	208	210.485	245	260.426
24	-74.787	61	-10.043	98	49.687	135	105.996	172	159.906	209	211.864	246	261.742
25	-72.954	62	-8.371	99	51.248	136	107.481	173	161.335	210	213.241	247	263.056
26	-71.126	63	-6.703	100	52.806	137	108.965	174	162.763	211	214.617	248	264.368
27	-69.303	64	-5.038	101	54.362	138	110.447	175	164.190	212	215.991	249	265.678
28	-67.485	65	-3.377	102	55.916	139	111.927	176	165.615	213	217.364	250	266.986
29	-65.672	66	-1.719	103	57.467	140	113.406	177	167.038	214	218.735	251	268.292
30	-63 864	67	-0.065	104	59.016	141	114.883	178	168 461	215	220.105	252	269.595
31	-62.061	68	1.586	105	60.563	142	116.358	179	169 882	216	221.473	253	270.897
32	-60.263	69	3.233	106	62.108	143	117.831	180	171.301	217	222.840	254	272.196
33	-58.470	70	4.877	107	63.650	144	119.304	181	172 719	218	224.205		
34	-56.681	71	6.518	108	65.190	145	120.774	182	174.136	219	225.569		
35	-54.897	72	8.155	109	66.727	146	122.243	183	175.552	220	226.930		
36	-53.118	73	9.790	110	68 263	147	123.710	184	176.966	221	228 291		
37	-51.344	74	11.421	111	69.796	148	125.176	185	178.378	222	229.650		

09/27/71

INSTALLATION DATE FEB. 25,1969

TEMP SM SKIN SURF LOC 10A

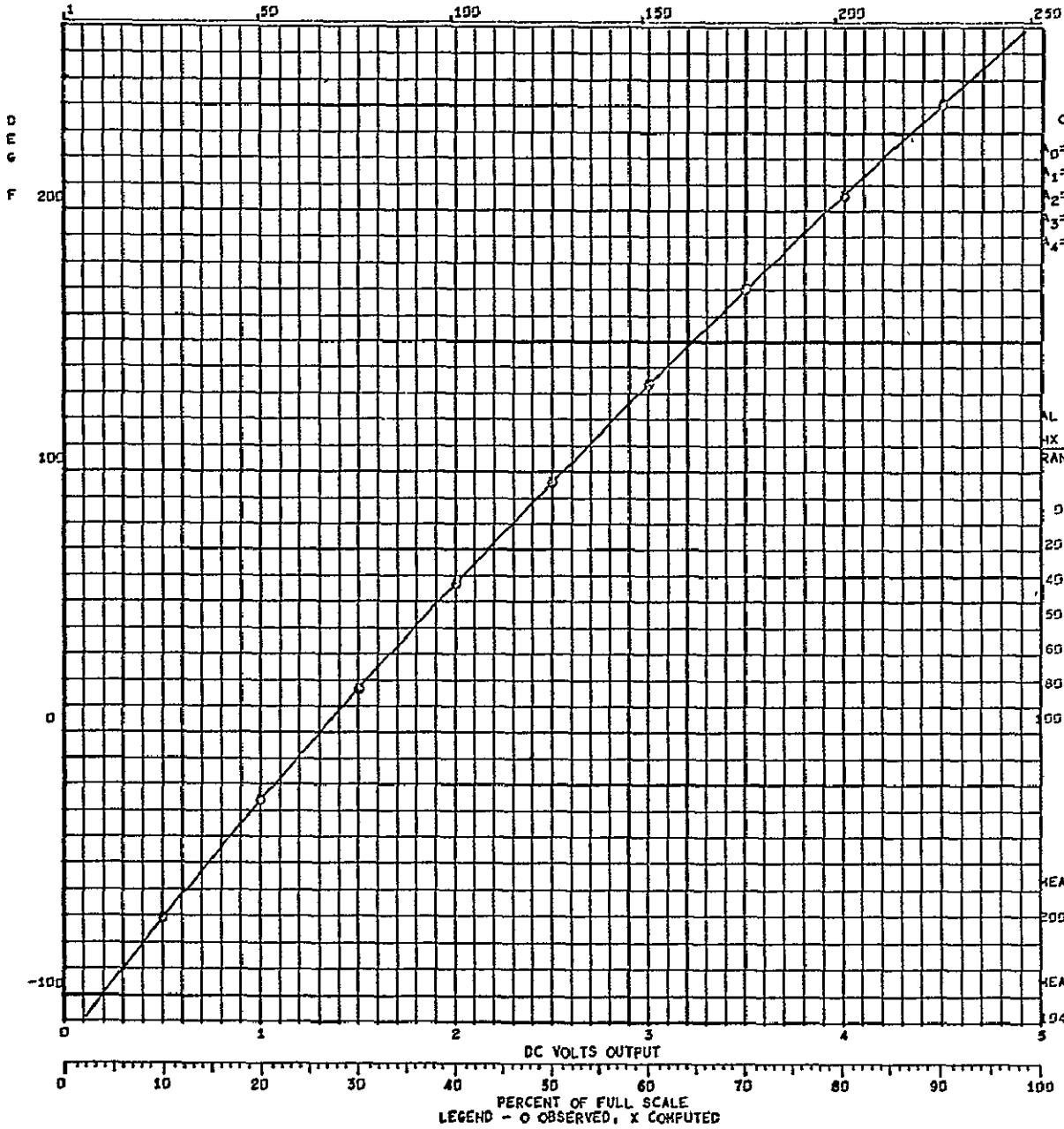
CAL RANGE -118.915 TO 274.714

SC-113

HARDWARE CALIB. NO.
76109 01
76683 01
00

SERIAL NO.
N/A
127

=21515



EQUATION COEFFICIENTS

A_0= -1.189 E 02
A_1= 1.006 E 02
A_2= -8.360 E 00
A_3= 1.231 E 00
A_4= -8.653 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.189E 02
20% = -2.557E 01
40% = 5.723E 01
50% = 9.610E 01
60% = 1.338E 02
80% = 2.062E 02
100% = 2.747E 02

MEASUREMENT NO.
200SA1833T01

MEAS LOADING NO.
1049052 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SM SKIN SURF LOC 19A

MEASUREMENT NO. 200SA1833T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 127
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/25/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-118.915	38	-49.396	75	13.726	112	72.447	149	128.172	186	181.711	223	233.281
2	-116.931	39	-47.616	76	15.363	113	73.987	150	129.645	187	183.131	224	234 645
3	-114.953	40	-45.841	77	16.997	114	75.526	151	131.117	188	184.550	225	236.008
4	-112.982	41	-44.070	78	18.628	115	77.062	152	132.588	189	185.967	226	237.369
5	-111.017	42	-42.304	79	20.256	116	78.596	153	134.057	190	187.383	227	238.728
6	-109.058	43	-40.542	80	21.881	117	80.128	154	135.524	191	188.797	228	240 085
7	-107.106	44	-38.785	81	23.503	118	81.658	155	136.990	192	190.210	229	241.441
8	-105.160	45	-37.032	82	25.122	119	83.187	156	138.454	193	191.622	230	242.795
9	-103.220	46	-35.283	83	26.738	120	84.713	157	139.917	194	193.032	231	244.147
10	-101.286	47	-33.539	84	28.351	121	86.237	158	141.378	195	194.441	232	245.497
11	-99.358	48	-31.799	85	29.961	122	87.759	159	142.838	196	195.848	233	246 846
12	-97.436	49	-30.063	86	31.568	123	89.279	160	144.296	197	197.254	234	248.192
13	-95.520	50	-28.332	87	33.173	124	90.797	161	145.753	198	198.659	235	249.537
14	-93.610	51	-26.604	88	34.774	125	92.313	162	147.208	199	200.061	236	250.880
15	-91.706	52	-24.880	89	36.373	126	93.828	163	148.662	200	201.463	237	252.221
16	-89.808	53	-23.161	90	37.969	127	95.340	164	150.115	201	202.863	238	253.561
17	-87.915	54	-21.445	91	39.563	128	96.851	165	151.566	202	204.262	239	254.898
18	-86.028	55	-19.734	92	41.154	129	98.360	166	153.016	203	205.659	240	256.233
19	-84.146	56	-18.026	93	42.742	130	99.867	167	154.464	204	207.055	241	257.567
20	-82.270	57	-16.323	94	44.327	131	101.372	168	155.911	205	208.449	242	258.898
21	-80.400	58	-14.623	95	45.910	132	102.875	169	157.356	206	209.842	243	260 228
22	-78.535	59	-12.927	96	47.490	133	104.377	170	158.800	207	211.233	244	261.555
23	-76.675	60	-11.234	97	49.068	134	105.877	171	160.242	208	212.622	245	262.880
24	-74.821	61	-9.546	98	50.643	135	107.375	172	161.683	209	214.011	246	264.204
25	-72.972	62	-7.861	99	52.216	136	108.871	173	163.123	210	215.397	247	265.525
26	-71.128	63	-6.179	100	53.786	137	110.366	174	164.561	211	216.782	248	266 844
27	-69.290	64	-4.502	101	55.354	138	111.859	175	165.998	212	218.166	249	268.161
28	-67.456	65	-2.828	102	56.920	139	113.350	176	167.434	213	219.548	250	269 476
29	-65.628	66	-1.157	103	58.483	140	114 839	177	168.868	214	220.929	251	270.789
30	-63.805	67	0.510	104	60.043	141	116.327	178	170.300	215	222.308	252	272.100
31	-61.987	68	2.174	105	61.602	142	117.814	179	171.732	216	223.685	253	273.408
32	-60.173	69	3.834	106	63.158	143	119.298	180	173.161	217	225.061	254	274.715
33	-58.365	70	5.491	107	64.712	144	120.781	181	174.590	218	226.435		
34	-56.562	71	7.144	108	66.263	145	122.263	182	176.017	219	227.807		
35	-54.763	72	8.795	109	67.812	146	123.742	183	177.443	220	229.178		
36	-52.969	73	10.442	110	69.359	147	125.220	184	178.867	221	230.547		
37	-51.180	74	12.085	111	70.904	148	126.697	185	180.290	222	231.915		

12/06/71

3 INSTALLATION DATE SEPT. 7,1961

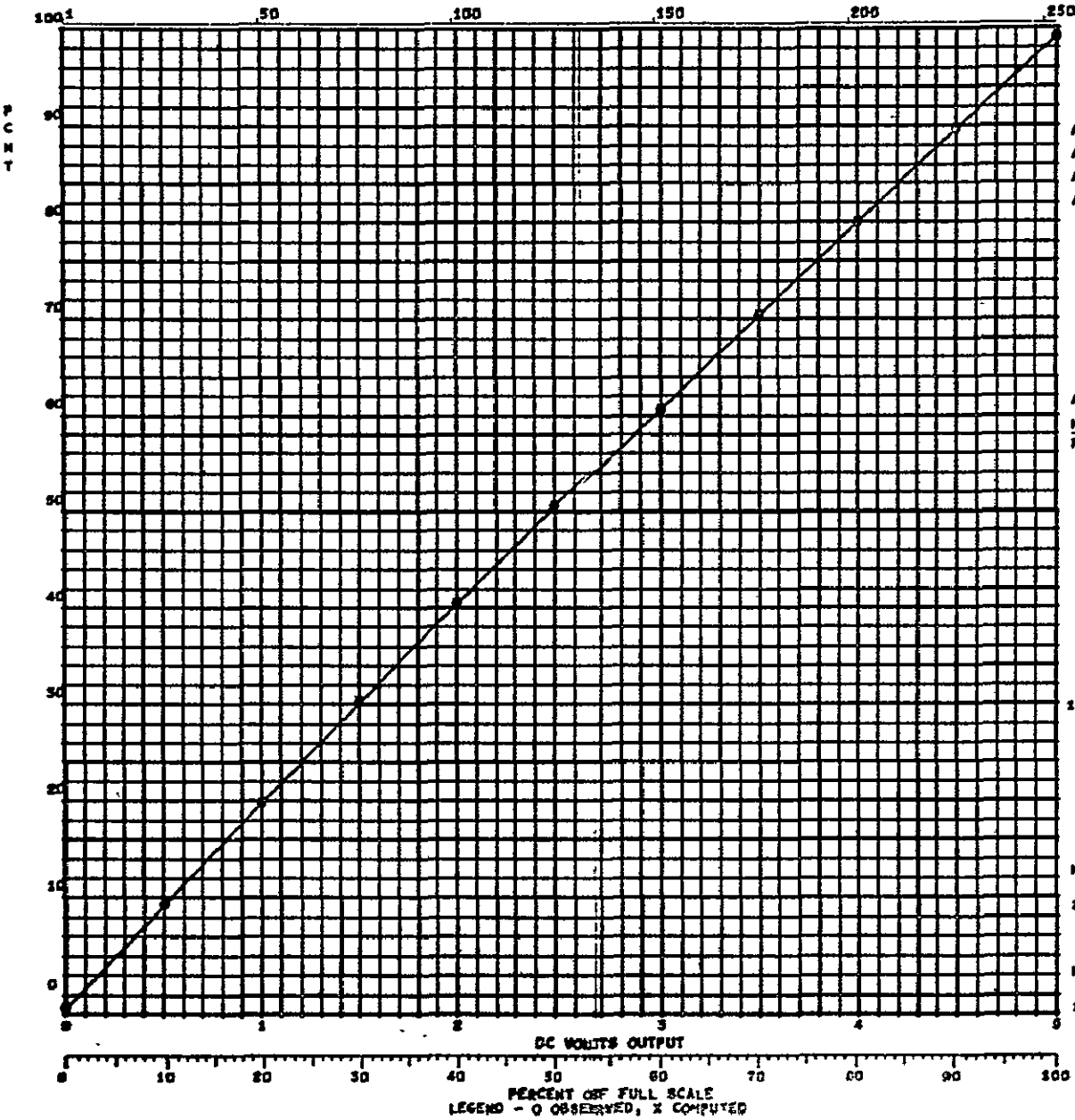
QUANTITY H2 TANK 1

CAL RANGE -1.45044 TO 99.0905

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76432 01	10024NTA0026
76842 02	10024NA20033
80	0000000000000000

#11145



EQUATION COEFFICIENTS

A_0= -1.450 E 00

A_1= 2.159 E 01

A_2= -3.240 E-01

A_3= 5.617 E-03

AL DEV= 0

MX DEV / RANGE = 0

0% = -1.450E 00

20% = 1.982E 01

40% = 4.047E 01

50% = 5.058E 01

60% = 6.055E 01

80% = 8.008E 01

100% = 9.909E 01

MEASUREMENT NO.

2005C0030602

MEAS LOADING NO.

1047116 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUANTITY H2 TANK 1

MEASUREMENT NO. 2003C0030Q02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024HTA0026
SIGNAL CONDITIONER SERIAL NO. 10024HAR0033
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 09/07/61

CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	-1.450	38	14.164	75	29.445	112	44.406	149	59.061	186	73.421	223	87.501
2	-1.024	39	14.581	76	29.854	113	44.806	150	59.452	187	73.805	224	87.877
3	-0.596	40	14.999	77	30.262	114	45.206	151	59.844	188	74.189	225	88.254
4	-0.172	41	15.415	78	30.670	115	45.606	152	60.236	189	74.573	226	88.630
5	0.254	42	15.832	79	31.078	116	46.005	153	60.627	190	74.956	227	89.006
6	0 680	43	16.248	80	31.486	117	46.404	154	61.018	191	75.340	228	89.382
7	1.105	44	16.664	81	31.893	118	46.803	155	61.409	192	75.723	229	89.758
8	1.530	45	17.080	82	32.300	119	47.202	156	61.799	193	76.106	230	90.134
9	1.955	46	17.496	83	32.707	120	47.600	157	62.190	194	76.488	231	90.509
10	2.379	47	17.911	84	33.114	121	47.999	158	62.580	195	76.871	232	90.884
11	2.803	48	18.327	85	33.520	122	48.397	159	62.970	196	77.253	233	91.259
12	3.227	49	18.741	86	33.926	123	48.795	160	63.360	197	77.635	234	91.634
13	3.651	50	19.156	87	34.332	124	49.192	161	63.749	198	78.017	235	92.009
14	4.075	51	19.571	88	34.738	125	49.589	162	64.139	199	78.399	236	92.383
15	4.498	52	19.985	89	35.143	126	49.987	163	64.528	200	78.781	237	92.758
16	4.921	53	20.399	90	35.549	127	50.384	164	64.917	201	79.162	238	93.132
17	5.344	54	20.812	91	35.954	128	50.780	165	65.306	202	79.543	239	93.505
18	5.766	55	21.226	92	36.358	129	51.177	166	65.694	203	79.924	240	93.879
19	6.188	56	21.639	93	36.763	130	51.573	167	66.083	204	80.305	241	94.253
20	6.610	57	22.052	94	37.167	131	51.969	168	66.471	205	80.685	242	94.626
21	7.032	58	22.465	95	37.571	132	52.365	169	66.859	206	81.065	243	94.999
22	7.454	59	22.877	96	37.975	133	52.760	170	67.246	207	81.446	244	95.372
23	7.875	60	23.290	97	38.379	134	53.156	171	67.634	208	81.826	245	95.745
24	8.296	61	23.702	98	38.782	135	53.551	172	68.021	209	82.205	246	96.117
25	8.717	62	24.113	99	39.186	136	53.946	173	68.408	210	82.585	247	96.489
26	9.137	63	24.525	100	39.588	137	54.341	174	68.795	211	82.964	248	96.862
27	9.557	64	24.936	101	39.991	138	54.735	175	69.181	212	83.343	249	97.234
28	9.977	65	25.347	102	40.394	139	55.130	176	69.568	213	83.722	250	97.605
29	10.397	66	25.758	103	40.796	140	55.524	177	69.954	214	84.101	251	97.977
30	10.817	67	26.169	104	41.198	141	55.917	178	70.340	215	84.479	252	98.348
31	11.236	68	26.579	105	41.600	142	56.311	179	70.726	216	84.858	253	98.720
32	11.655	69	26.989	106	42.002	143	56.705	180	71.112	217	85.236	254	99.091
33	12.074	70	27.399	107	42.403	144	57.098	181	71.497	218	85.614		
34	12.492	71	27.809	108	42.804	145	57.491	182	71.882	219	85.992		
35	12.911	72	28.218	109	43.205	146	57.884	183	72.267	220	86.369		
36	13.329	73	28.628	110	43.606	147	58.276	184	72.652	221	86.746		
37	13.747	74	29.037	111	44.006	148	58.668	185	73.036	222	87.124		

6 030

12/06/71

3 INSTALLATION DATE SEPT. 7,1961

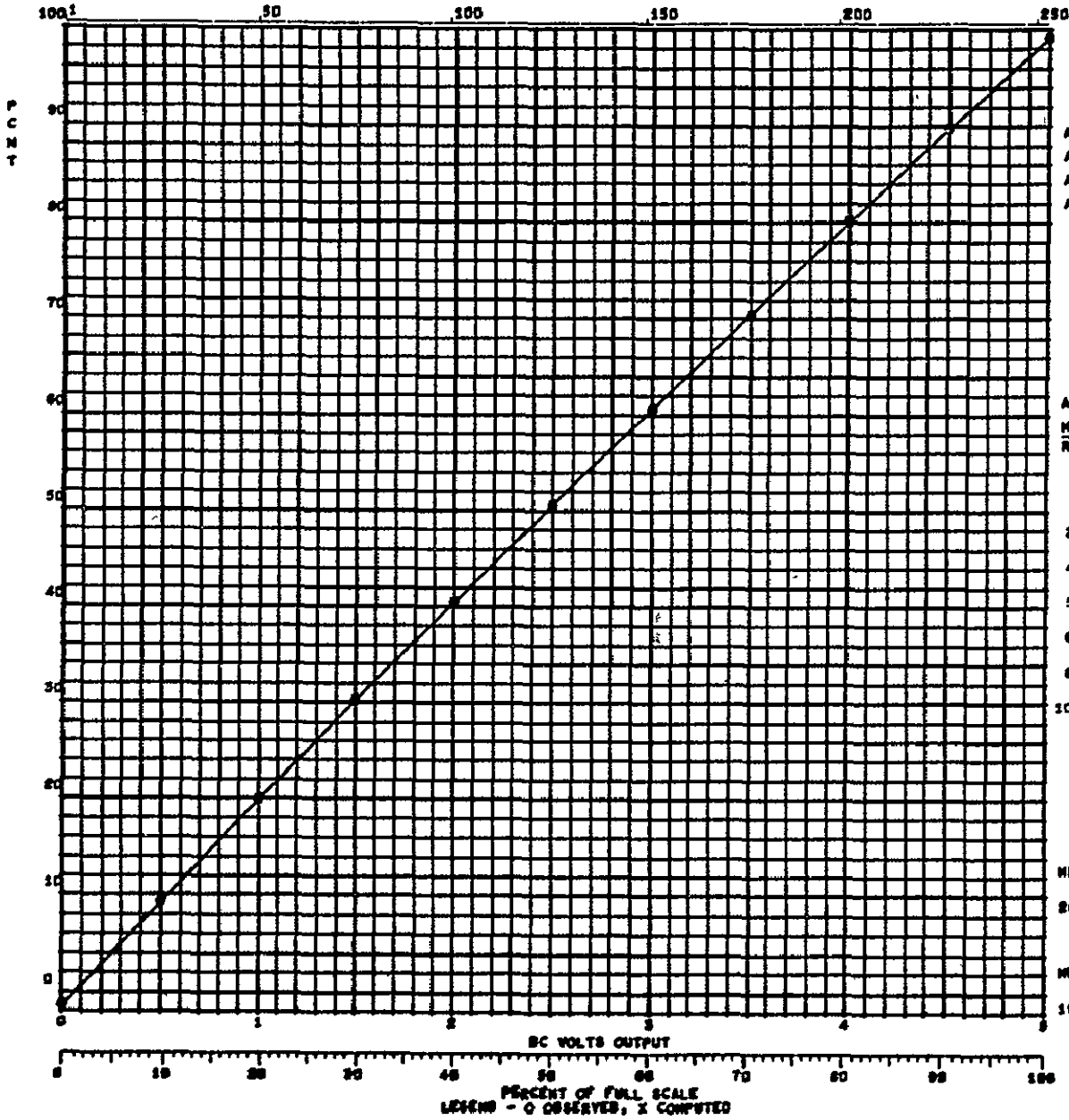
QUANTITY MS TANK 2

CAL RANGE -2.42723 TO 99.1729

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76843 01	10024NTA0032
76844 02	10024NAR0034
00	0000000000000000

#11148



EQUATION COEFFICIENTS

A_0= -1.427 E 00

A_1= 2.100 E 01

A_2= -3.244 E-01

A_3= 5.629 E-03

AL DEV= 0

MX DEV / RANGE = 0

0% = -1.427E 00

20% = 1.986E 01

40% = 4.052E 01

50% = 5.064E 01

60% = 6.061E 01

80% = 8.015E 01

100% = 9.917E 01

MEASUREMENT NO.

20GSC0031602

MEAS LOADING NO.

1048116 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUANTITY H2 TANK 2

MEASUREMENT NO. 2003C0031Q02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024HTA0032
SIGNAL CONDITIONER SERIAL NO. 10024HAR0034
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 09/07/61

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-1.427	38	14.197	75	29.468	112	44.458	149	59.120	186	73.489	223	87.576
2	-1.000	39	14.615	76	29.896	113	44.858	150	59.512	187	73.873	224	87.953
3	-0.574	40	15.032	77	30.305	114	45.258	151	59.904	188	74.257	225	88.330
4	-0.148	41	15.449	78	30.713	115	45.658	152	60.296	189	74.641	226	88.707
5	0.278	42	15.866	79	31.121	116	46.057	153	60.688	190	75.025	227	89.083
6	0.704	43	16.283	80	31.529	117	46.457	154	61.079	191	75.409	228	89.459
7	1.130	44	16.699	81	31.937	118	46.856	155	61.470	192	75.792	229	89.835
8	1.555	45	17.115	82	32.344	119	47.255	156	61.861	193	76.175	230	90.211
9	1.980	46	17.531	83	32.751	120	47.654	157	62.252	194	76.558	231	90.587
10	2.405	47	17.947	84	33.158	121	48.052	158	62.642	195	76.941	232	90.962
11	2.829	48	18.362	85	33.565	122	48.450	159	63.032	196	77.323	233	91.337
12	3.253	49	18.777	86	33.971	123	48.848	160	63.422	197	77.706	234	91.712
13	3.677	50	19.192	87	34.377	124	49.246	161	63.812	198	78.088	235	92.087
14	4.101	51	19.607	88	34.783	125	49.644	162	64.202	199	78.470	236	92.462
15	4.525	52	20.021	89	35.189	126	50.041	163	64.591	200	78.852	237	92.836
16	4.948	53	20.435	90	35.594	127	50.438	164	64.980	201	79.233	238	93.211
17	5.371	54	20.849	91	36.000	128	50.835	165	65.369	202	79.614	239	93.585
18	5.794	55	21.263	92	36.405	129	51.232	166	65.758	203	79.996	240	93.959
19	6.216	56	21.677	93	36.810	130	51.628	167	66.146	204	80.377	241	94.332
20	6.639	57	22.090	94	37.214	131	52.025	168	66.535	205	80.757	242	94.706
21	7.061	58	22.503	95	37.619	132	52.421	169	66.923	206	81.138	243	95.079
22	7.482	59	22.916	96	38.023	133	52.817	170	67.311	207	81.518	244	95.452
23	7.904	60	23.328	97	38.427	134	53.212	171	67.698	208	81.898	245	95.825
24	8.325	61	23.740	98	38.830	135	53.608	172	68.086	209	82.278	246	96.198
25	8.746	62	24.152	99	39.234	136	54.003	173	68.473	210	82.658	247	96.570
26	9.167	63	24.564	100	39.637	137	54.398	174	68.860	211	83.037	248	96.943
27	9.587	64	24.976	101	40.040	138	54.792	175	69.247	212	83.417	249	97.315
28	10.006	65	25.387	102	40.443	139	55.187	176	69.634	213	83.796	250	97.687
29	10.426	66	25.798	103	40.845	140	55.581	177	70.020	214	84.175	251	98.059
30	10.846	67	26.209	104	41.247	141	55.975	178	70.406	215	84.554	252	98.430
31	11.267	68	26.620	105	41.649	142	56.369	179	70.792	216	84.932	253	98.802
32	11.686	69	27.030	106	42.051	143	56.763	180	71.178	217	85.311	254	99.173
33	12.105	70	27.440	107	42.453	144	57.156	181	71.564	218	85.689		
34	12.524	71	27.850	108	42.854	145	57.550	182	71.949	219	86.067		
35	12.943	72	28.260	109	43.255	146	57.943	183	72.334	220	86.444		
36	13.361	73	28.669	110	43.656	147	58.335	184	72.719	221	86.822		
37	13.779	74	29.079	111	44.057	148	58.728	185	73.104	222	87.199		

09/27/71

INSTALLATION DATE MAY 20,1961

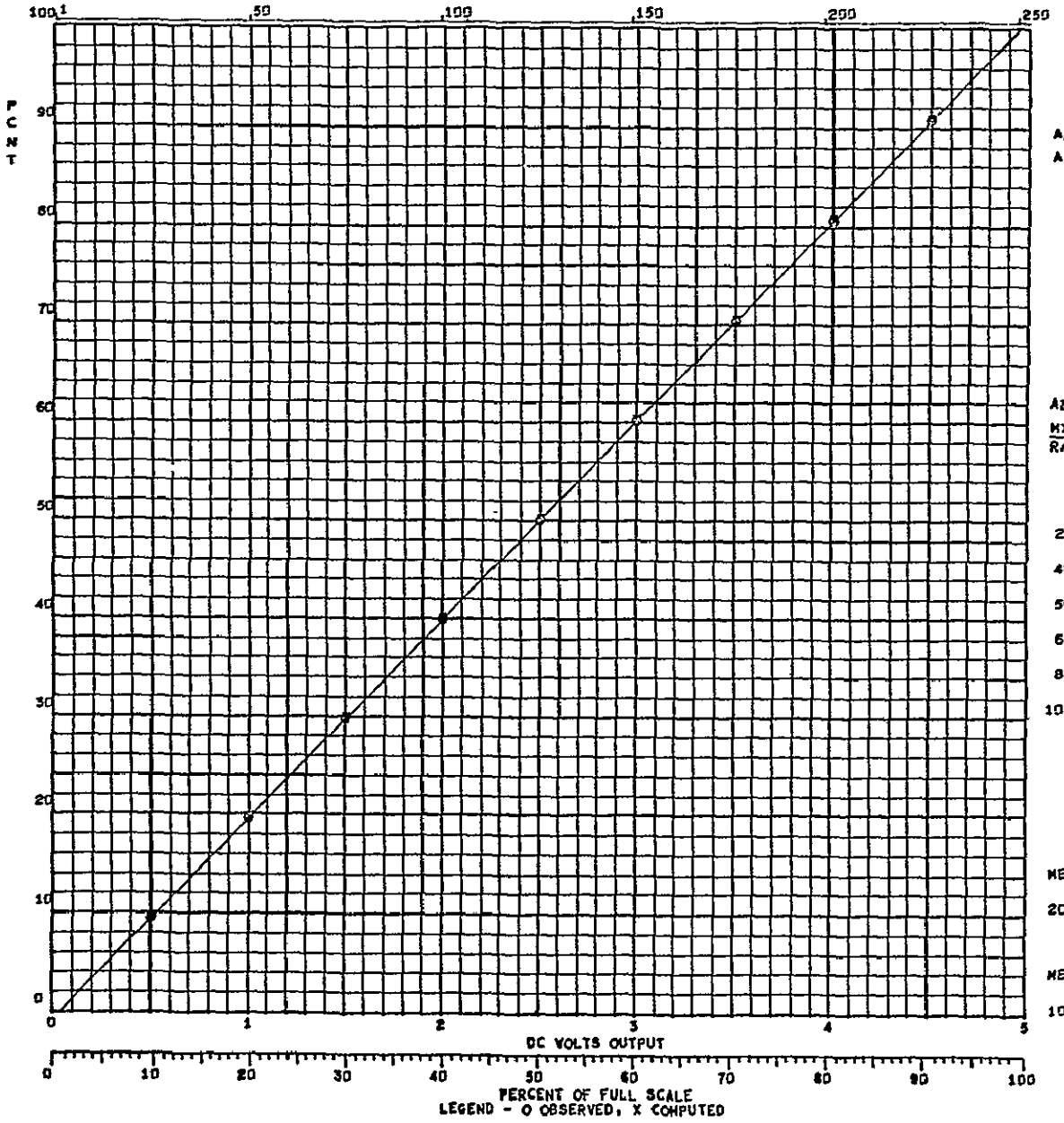
QUANTITY O2 TANK 1

CAL RANGE -.670745 TO 100.965

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78873 01	10024XAR0027
78874 01	10024XAR0027
00	

=21515



EQUATION COEFFICIENTS

A_0= -6.707 E-01

A_1= 2.033 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-6.707E-01

20% = 1.966E 01

40% = 3.998E 01

50% = 5.015E 01

60% = 6.031E 01

80% = 8.064E 01

100% = 1.010E 02

MEASUREMENT NO.

200SC0032801

MEAS LOADING NO.

1049116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUANTITY O2 TANK 1

MEASUREMENT NO. 20SC0032201
VEHICLE SC-113
TRANSDUCER SERIAL NO. 15024XAR0027
SIGNAL CONDITIONER SERIAL NO. 10024XAR0027
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 95/25/61

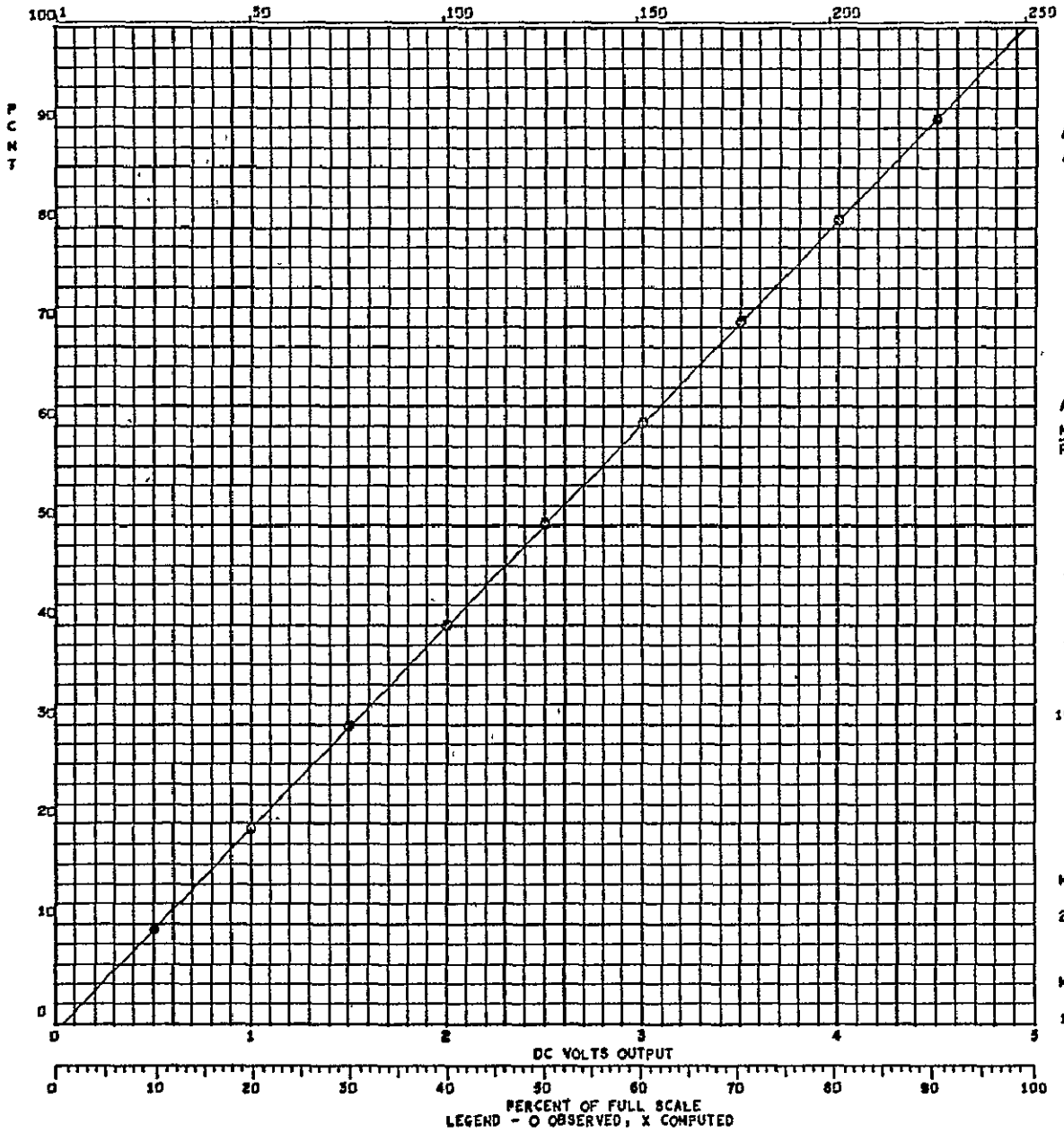
CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	-0.671	38	14.193	75	29.056	112	43.920	149	58.783	186	73.646	223	88.510
2	-0.269	39	14.594	76	29.458	113	44.321	150	59.185	187	74.048	224	88.912
3	0.133	40	14.996	77	29.860	114	44.723	151	59.586	188	74.450	225	89.313
4	0.534	41	15.398	78	30.261	115	45.125	152	59.988	189	74.852	226	89.715
5	0.936	42	15.800	79	30.663	116	45.526	153	60.390	190	75.253	227	90.117
6	1.338	43	16.201	80	31.065	117	45.928	154	60.792	191	75.655	228	90.519
7	1.740	44	16.603	81	31.466	118	46.330	155	61.193	192	76.057	229	90.920
8	2.141	45	17.005	82	31 868	119	46.732	156	61.595	193	76.458	230	91.322
9	2.543	46	17.406	83	32.270	120	47.133	157	61.997	194	76 860	231	91.724
10	2.945	47	17.808	84	32.672	121	47.535	158	62.398	195	77.262	232	92.125
11	3.346	48	18.210	85	33 073	122	47.937	159	62.800	196	77.664	233	92.527
12	3.748	49	18.612	86	33.475	123	48.338	160	63.202	197	78.065	234	92.929
13	4.150	50	19.013	87	33.877	124	48.740	161	63.604	198	78.467	235	93.331
14	4.552	51	19.415	88	34.278	125	49.142	162	64.005	199	78.869	236	93.732
15	4.953	52	19.817	89	34.680	126	49.544	163	64.407	200	79.270	237	94.134
16	5.355	53	20.218	90	35.082	127	49.945	164	64.809	201	79.672	238	94.536
17	5.757	54	20.620	91	35.484	128	50.347	165	65.210	202	80.074	239	94.937
18	6.158	55	21.022	92	35.885	129	50.749	166	65.612	203	80.476	240	95.339
19	6.560	56	21.424	93	36.287	130	51.150	167	66.014	204	80.877	241	95.741
20	6.962	57	21.825	94	36.689	131	51.552	168	66.416	205	81.279	242	96.143
21	7.364	58	22.227	95	37.090	132	51.954	169	66.817	206	81.681	243	96.544
22	7.765	59	22.629	96	37.492	133	52.356	170	67.219	207	82.082	244	96.946
23	8.167	60	23.030	97	37.894	134	52.757	171	67.621	208	82.484	245	97.348
24	8.569	61	23.432	98	38.296	135	53 159	172	68.022	209	82.886	246	97.749
25	8.970	62	23.834	99	38.697	136	53.561	173	68.424	210	83.288	247	98.151
26	9.372	63	24.236	100	39.099	137	53.962	174	68.826	211	83.689	248	98.553
27	9.774	64	24.637	101	39.501	138	54.364	175	69.228	212	84.091	249	98.955
28	10.176	65	25.039	102	39.902	139	54.766	176	69.629	213	84.493	250	99.356
29	10.577	66	25.441	103	40.304	140	55.168	177	70.031	214	84.894	251	99.758
30	10.979	67	25.842	104	40.706	141	55.569	178	70.433	215	85.296	252	100.160
31	11.381	68	26.244	105	41.108	142	55.971	179	70.834	216	85.698	253	100.561
32	11.782	69	26.646	106	41.509	143	56.373	180	71.236	217	86.100	254	100.963
33	12.184	70	27.048	107	41.911	144	56.774	181	71.638	218	86.501		
34	12.586	71	27.449	108	42 313	145	57.176	182	72.040	219	86.903		
35	12.988	72	27.851	109	42.714	146	57.578	183	72.441	220	87.305		
36	13.389	73	28.253	110	43.116	147	57.980	184	72.843	221	87.707		
37	13.791	74	28.654	111	43.518	148	58.381	185	73.245	222	88.108		

09/27/71
1 INSTALLATION DATE MAY 20,1961
QUANTITY O2 TANK 2
CAL RANGE -.770716 TO 101.172

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78875 01	10024XAR0035
78876 01	10024XAR0035
00	

=Z1515



EQUATION COEFFICIENTS

A_0= -7.707 E-01
A_1= 2.039 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-7.707E-01
20% = 1.962E 01
40% = 4.001E 01
50% = 5.020E 01
60% = 6.039E 01
80% = 8.078E 01
100% = 1.012E 02

MEASUREMENT NO.
200SC0033Q01

MEAS LOADING NO.
1014116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUANTITY O2 TANK 2

MEASUREMENT NO. 200SC0033201
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XAR0033
SIGNAL CONDITIONER SERIAL NO. 10024XAR0033
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/20/61

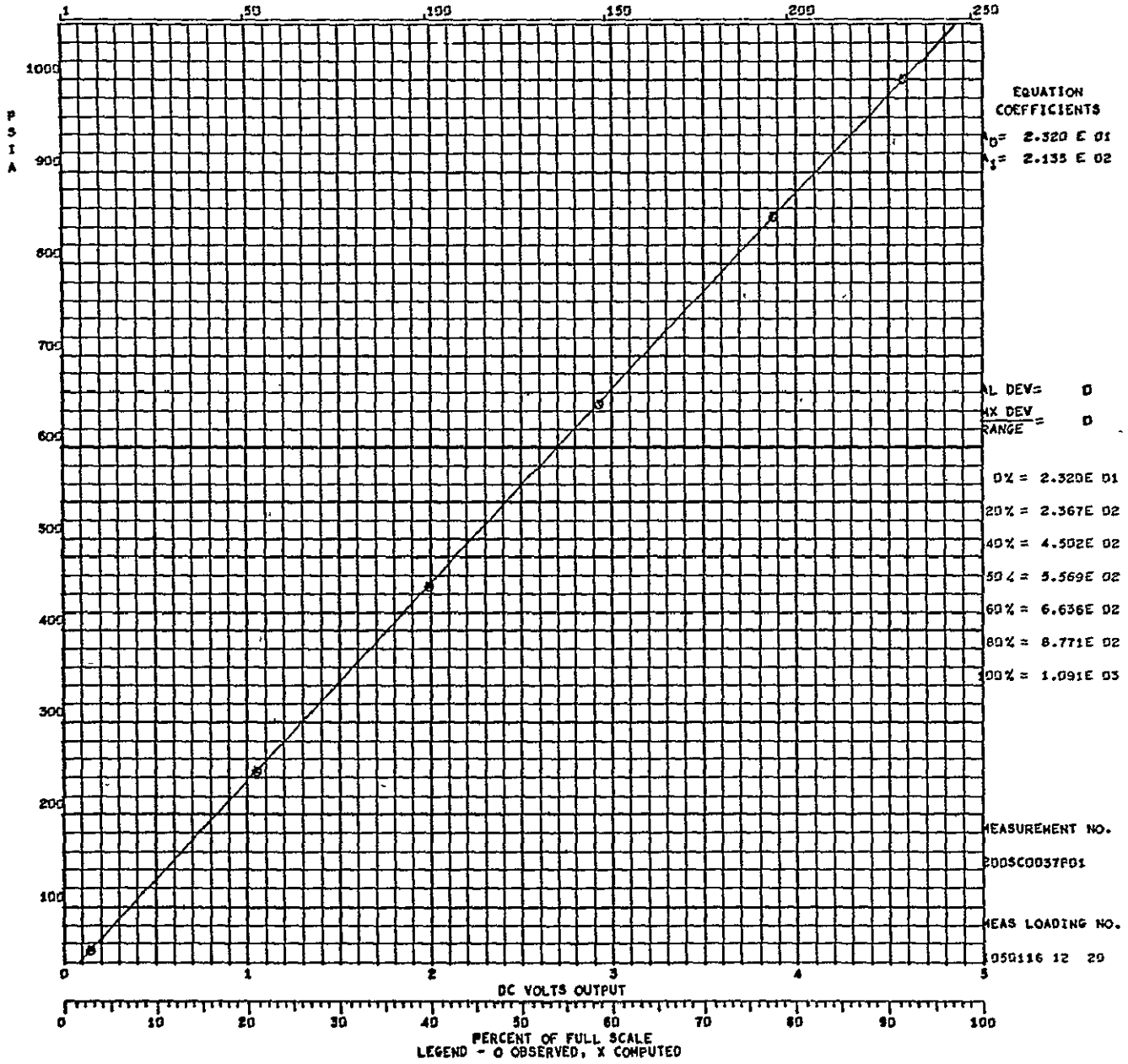
CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	-0.771	38	14.138	75	29 046	112	43.955	149	58.864	186	73.772	223	88.681
2	-0.368	39	14.541	76	29.449	113	44.358	150	59.267	187	74.175	224	89.084
3	0.035	40	14.944	77	29.852	114	44.761	151	59.669	188	74.578	225	89.487
4	0.438	41	15.347	78	30 255	115	45.164	152	60.072	189	74.981	226	89.890
5	0.841	42	15.750	79	30.658	116	45.567	153	60.475	190	75.384	227	90.292
6	1.244	43	16.153	80	31.061	117	45.970	154	60.878	191	75.787	228	90.695
7	1.647	44	16.555	81	31.464	118	46.373	155	61.281	192	76.190	229	91.098
8	2.050	45	16.958	82	31.867	119	46.776	156	61 684	193	76.593	230	91.501
9	2.453	46	17.361	83	32.270	120	47.178	157	62 087	194	76.996	231	91.904
10	2.856	47	17.764	84	32 673	121	47.581	158	62.490	195	77.399	232	92.307
11	3.259	48	18.167	85	33.076	122	47.984	159	62.893	196	77.802	233	92.710
12	3.662	49	18.570	86	33.479	123	48.387	160	63.296	197	78.204	234	93.113
13	4.064	50	18.973	87	33.882	124	48.790	161	63.699	198	78.607	235	93.516
14	4.467	51	19.376	88	34.285	125	49.193	162	64.102	199	79.010	236	93.919
15	4.870	52	19.779	89	34.688	126	49.596	163	64.505	200	79.413	237	94.322
16	5.273	53	20.182	90	35.090	127	49.999	164	64.908	201	79.816	238	94.725
17	5.676	54	20.585	91	35.493	128	50.402	165	65.311	202	80.219	239	95.128
18	6.079	55	20.988	92	35.896	129	50.805	166	65.713	203	80.622	240	95.531
19	6.482	56	21.391	93	36.299	130	51.208	167	66.116	204	81.025	241	95.934
20	6.885	57	21.794	94	36.702	131	51.611	168	66.519	205	81.428	242	96.337
21	7.288	58	22.197	95	37.105	132	52 014	169	66.922	206	81.831	243	96.739
22	7.691	59	22.599	96	37.508	133	52.417	170	67.325	207	82.234	244	97.142
23	8.094	60	23.002	97	37.911	134	52.820	171	67.728	208	82.637	245	97.545
24	8.497	61	23.405	98	38.314	135	53.223	172	68.131	209	83 040	246	97.948
25	8.900	62	23.808	99	38.717	136	53.625	173	68.534	210	83.443	247	98.351
26	9.303	63	24.211	100	39.120	137	54.028	174	68.937	211	83.846	248	98.754
27	9.706	64	24.614	101	39.523	138	54.431	175	69.340	212	84 248	249	99.157
28	10.109	65	25.017	102	39.926	139	54.834	176	69.743	213	84.651	250	99.560
29	10.511	66	25.420	103	40.329	140	55.237	177	70.146	214	85.054	251	99.963
30	10.914	67	25.823	104	40.732	141	55.640	178	70.549	215	85 457	252	100.366
31	11.317	68	26.226	105	41.134	142	56.043	179	70.952	216	85.860	253	100.769
32	11.720	69	26.629	106	41.537	143	56.446	180	71.355	217	86.263	254	101.172
33	12.123	70	27.032	107	41.940	144	56.849	181	71.757	218	86 666		
34	12.526	71	27.435	108	42 343	145	57.252	182	72.160	219	87.069		
35	12.929	72	27.838	109	42.746	146	57.655	183	72.563	220	87.472		
36	13.332	73	28.241	110	43.149	147	58.058	184	72.966	221	87.875		
37	13.735	74	28.644	111	43.552	148	58.461	185	73.369	222	88.278		

09/27/71 SC-113 HARDWARE CALIB. NO. SERIAL NO. =21515

1 INSTALLATION DATE MAY 20,1961 81542 02 05553J041607

PRESS O2 TANK 1 00

CAL RANGE 55.5129 TO 1000.93 00



EQUATION COEFFICIENTS

A_0= 2.320 E 01

A_1= 2.135 E 02

AL DEV= 0

MX DEV / RANGE = 0

0% = 2.320E 01

20% = 2.367E 02

40% = 4.502E 02

50% = 5.569E 02

60% = 6.636E 02

80% = 8.771E 02

100% = 1.091E 03

MEASUREMENT NO.

200SC0037P01

MEAS LOADING NO.

050116 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS O2 TANK 1

MEASUREMENT NO. 200SC0037F01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06553J041807
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/20/61

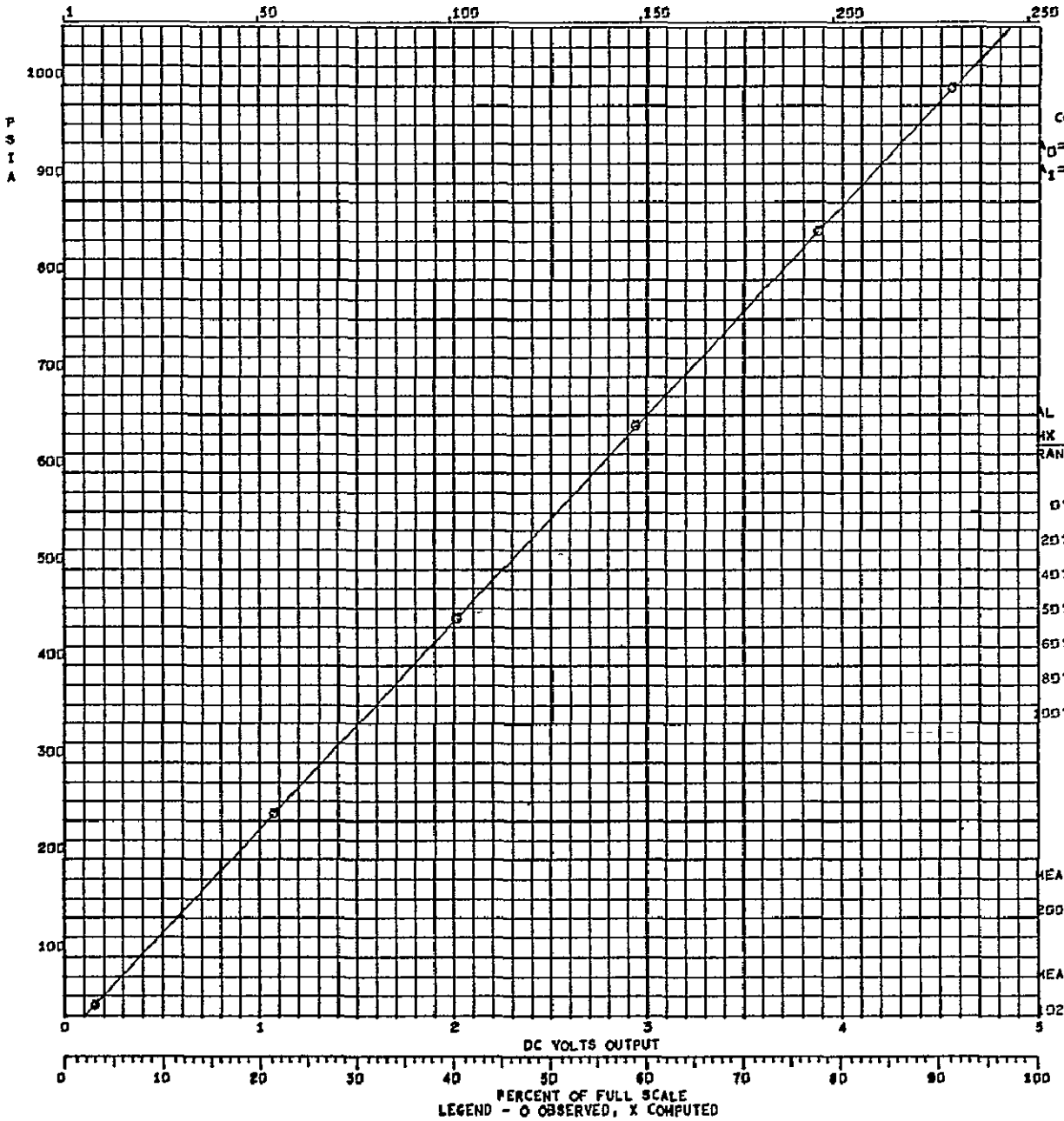
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	23.199	38	179.350	75	335.400	112	491.501	149	647.602	186	803.703	223	959.803
2	27.418	39	183.519	76	339 619	113	495.720	150	651.821	187	807.922	224	964.022
3	31.637	40	187.738	77	343.838	114	499.939	151	656.040	188	812.141	225	968.241
4	35.856	41	191.957	78	348.057	115	504.158	152	660.259	189	816.359	226	972.460
5	40.075	42	196.176	79	352.276	116	508.377	153	664.478	190	820.578	227	976.679
6	44.294	43	200.394	80	356.495	117	512.596	154	668.697	191	824.797	228	980.898
7	48.513	44	204.613	81	360.714	118	516.815	155	672.916	192	829.016	229	985.117
8	52.732	45	208.832	82	364.933	119	521.034	156	677.134	193	833.235	230	989.336
9	56.951	46	213.051	83	369.152	120	525.253	157	681.353	194	837.454	231	993.555
10	61.169	47	217.270	84	373.371	121	529.472	158	685.572	195	841.673	232	997.774
11	65.388	48	221.489	85	377.590	122	533.691	159	689.791	196	845.892	233	1001.993
12	69.607	49	225.708	86	381.809	123	537.910	160	694.010	197	850.111	234	1006.212
13	73.826	50	229.927	87	386 028	124	542.128	161	698.229	198	854.330	235	1010.431
14	78.045	51	234.146	88	390.247	125	546.347	162	702.448	199	858.549	236	1014.650
15	82.264	52	238.365	89	394.466	126	550.566	163	706.667	200	862.768	237	1018.869
16	86.483	53	242.584	90	398.685	127	554.785	164	710.886	201	866.987	238	1023.088
17	90.702	54	246.803	91	402.903	128	559.004	165	715.105	202	871.206	239	1027.307
18	94.921	55	251.022	92	407.122	129	563.223	166	719.324	203	875.425	240	1031.526
19	99.140	56	255.241	93	411.341	130	567.442	167	723.543	204	879.644	241	1035.744
20	103.359	57	259.460	94	415.560	131	571.661	168	727.762	205	883.862	242	1039.963
21	107.578	58	263.679	95	419.779	132	575.880	169	731.981	206	888.081	243	1044.182
22	111.797	59	267.897	96	423.998	133	580.099	170	736.200	207	892.300	244	1048.401
23	116.016	60	272.116	97	428.217	134	584.318	171	740.419	208	896.519	245	1052.620
24	120.235	61	276.335	98	432.436	135	588.537	172	744.637	209	900.738	246	1056.839
25	124.454	62	280.554	99	436.655	136	592.756	173	748.856	210	904.957	247	1061.058
26	128.672	63	284.773	100	440.874	137	596.975	174	753.075	211	909.176	248	1065.277
27	132.891	64	288.992	101	445.093	138	601.194	175	757.294	212	913.395	249	1069 496
28	137.110	65	293.211	102	449.312	139	605.413	176	761.513	213	917.614	250	1073.715
29	141.329	66	297.430	103	453.531	140	609.631	177	765.732	214	921.833	251	1077.934
30	145.548	67	301.649	104	457.750	141	613.850	178	769.951	215	926.052	252	1082.153
31	149.767	68	305.868	105	461.969	142	618.069	179	774.170	216	930.271	253	1086.372
32	153.986	69	310.087	106	466.188	143	622.288	180	778.389	217	934.490	254	1090.591
33	158.205	70	314.306	107	470.407	144	626.507	181	782.608	218	938.709		
34	162.424	71	318.525	108	474.625	145	630.726	182	786.827	219	942.928		
35	166.643	72	322.744	109	478.844	146	634.945	183	791.046	220	947.147		
36	170.862	73	326.963	110	483.063	147	639.164	184	795.265	221	951.366		
37	175.081	74	331.182	111	487.282	148	643.383	185	799.484	222	955.585		

09/27/71
1 INSTALLATION DATE MAY 20,1961
PRESS O2 TANK 2
CAL RANGE 51.0914 TO 998.414

SC-113

HARDWARE CALIB. NO. 81543 02 00 00
SERIAL NO. 06553J041807

=21515



EQUATION COEFFICIENTS
A_0= 1.798 E 01
A_1= 2.150 E 02

AL DEV= 0
HX DEV / RANGE = 0

0% = 1.798E 01
20% = 2.330E 02
40% = 4.480E 02
50% = 5.555E 02
60% = 6.630E 02
80% = 8.780E 02
100% = 1.093E 03

MEASUREMENT NO.
2005C0038P01

MEAS LOADING NO.
1022116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS O2 TANK 2

MEASUREMENT NO. 200SC0038P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. D6553J041807
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/23/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	17.980	38	175.199	75	332.418	112	489.637	149	646.856	186	804.074	223	961.293
2	22.229	39	179.448	76	336.667	113	493.886	150	651.105	187	808.324	224	965.543
3	26.479	40	183.697	77	340.916	114	498.135	151	655.354	188	812.573	225	969.792
4	30.728	41	187.947	78	345.165	115	502.384	152	659.603	189	816 822	226	974.041
5	34.977	42	192.196	79	349.415	116	506.633	153	663.852	190	821.071	227	978.290
6	39.226	43	196.445	80	353.664	117	510.883	154	668.101	191	825.320	228	982.539
7	43.475	44	200.694	81	357.913	118	515.132	155	672.351	192	829.569	229	986.788
8	47.724	45	204.943	82	362.162	119	519.381	156	676.600	193	833.819	230	991.038
9	51.974	46	209.192	83	366.411	120	523.630	157	680.849	194	838.068	231	995.287
10	56.223	47	213.442	84	370.660	121	527.879	158	685.098	195	842.317	232	999.536
11	60.472	48	217.691	85	374.910	122	532.128	159	689.347	196	846.566	233	1003.785
12	64.721	49	221.940	86	379.159	123	536.378	160	693.596	197	850.815	234	1008.034
13	68.970	50	226.189	87	383.408	124	540.627	161	697.846	198	855 064	235	1012.283
14	73.219	51	230.438	88	387.657	125	544.876	162	702.095	199	859.314	236	1016.533
15	77.469	52	234.687	89	391.906	126	549.125	163	706.344	200	863.563	237	1020.782
16	81.718	53	238.937	90	396.155	127	553.374	164	710.593	201	867.812	238	1025.031
17	85.967	54	243.186	91	400.405	128	557.623	165	714.842	202	872.061	239	1029.280
18	90.216	55	247.435	92	404.654	129	561.873	166	719.091	203	876.310	240	1033.529
19	94.465	56	251.684	93	408.903	130	566.122	167	723.340	204	880.559	241	1037.778
20	98.714	57	255.933	94	413.152	131	570.371	168	727.590	205	884.808	242	1042.028
21	102.963	58	260.182	95	417.401	132	574.620	169	731.839	206	889 058	243	1046.277
22	107.213	59	264.431	96	421.650	133	578.869	170	736.088	207	893.307	244	1050.526
23	111.462	60	268.681	97	425.899	134	583.118	171	740.337	208	897.556	245	1054.775
24	115.711	61	272.930	98	430.149	135	587.367	172	744.586	209	901.805	246	1059.024
25	119.960	62	277.179	99	434.398	136	591.617	173	748.835	210	906.054	247	1063.273
26	124.209	63	281.428	100	438 647	137	595.866	174	753.085	211	910.303	248	1067.523
27	128.458	64	285.677	101	442 896	138	600.115	175	757.334	212	914.553	249	1071.772
28	132.708	65	289.926	102	447.145	139	604.364	176	761.583	213	918.802	250	1076.021
29	136.957	66	294.176	103	451.394	140	608.613	177	765.832	214	923.051	251	1080.270
30	141.206	67	298.425	104	455.644	141	612.862	178	770.081	215	927.300	252	1084.519
31	145.455	68	302.674	105	459.893	142	617.112	179	774.330	216	931.549	253	1088.768
32	149.704	69	306.923	106	464.142	143	621.361	180	778.580	217	935.798	254	1093.018
33	153.953	70	311.172	107	468.391	144	625.610	181	782.829	218	940.048		
34	158.203	71	315.421	108	472.640	145	629.859	182	787.078	219	944.297		
35	162.452	72	319.671	109	476.889	146	634.108	183	791.327	220	948.546		
36	166.701	73	323.920	110	481.139	147	638.357	184	795.576	221	952.795		
37	170.950	74	328.169	111	485.388	148	642.606	185	799.825	222	957.044		

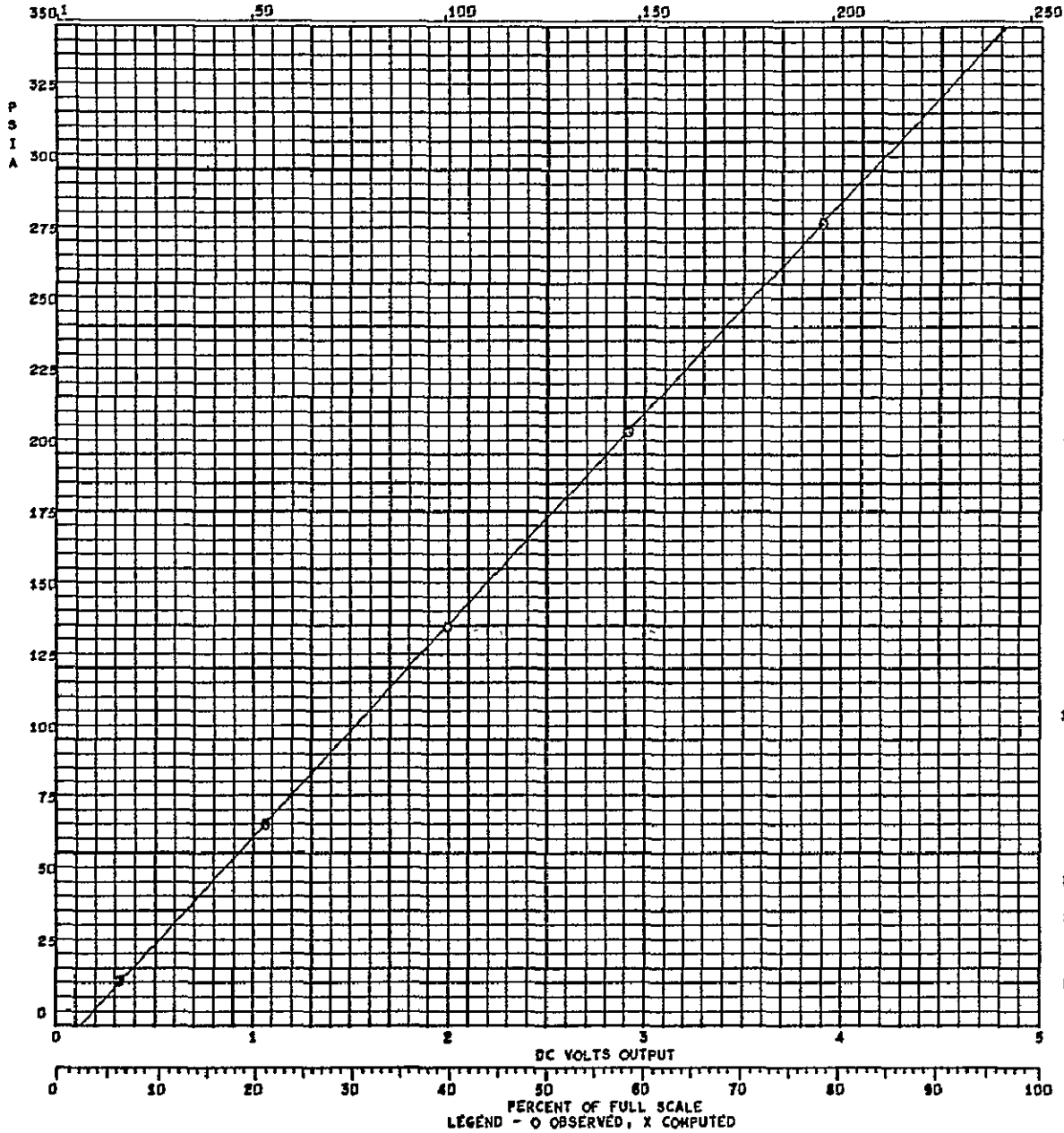
09/27/71
1 INSTALLATION DATE JAN. 17,1969
PRESS H2 TANK 1
CAL RANGE 15.3797 TO 261.390

SC-113

HARDWARE CALIB. NO.
78849 01
00
00

SERIAL NO.
06553J220002

=21515



EQUATION COEFFICIENTS

A_0= -8.722 E 00
A_1= 7.439 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -8.722E 00
20% = 6.567E 01
40% = 1.401E 02
50% = 1.772E 02
60% = 2.144E 02
80% = 2.888E 02
100% = 3.632E 02

MEASUREMENT NO.
200SC0039P01

MEAS LOADING NO.
1012116 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

PRESS H2 TANK 1

MEASUREMENT NO. 2005C0039P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06553J229002
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/17/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-8.722	38	45.672	75	100.067	112	154.461	149	208.855	186	263.249	223	317.644
2	-7.252	39	47.142	76	101.537	113	155.931	150	210.325	187	264.720	224	319.114
3	-5.782	40	48.613	77	103.007	114	157.401	151	211.795	188	266.190	225	320.584
4	-4.312	41	50.083	78	104.477	115	158.871	152	213.266	189	267.660	226	322 054
5	-2.842	42	51.553	79	105.947	116	160.341	153	214.736	190	269.130	227	323.524
6	-1.371	43	53.023	80	107.417	117	161.811	154	216.206	191	270.600	228	324.994
7	0.099	44	54.493	81	108.887	118	163.282	155	217.676	192	272.070	229	326.464
8	1.569	45	55.963	82	110.357	119	164.752	156	219.146	193	273.540	230	327.935
9	3.039	46	57.433	83	111.828	120	166.222	157	220.616	194	275.010	231	329.405
10	4.509	47	58.903	84	113.298	121	167.692	158	222.086	195	276.480	232	330.875
11	5.979	48	60.373	85	114.768	122	169.162	159	223.556	196	277.951	233	332.345
12	7.449	49	61.844	86	116 238	123	170.632	160	225 026	197	279.421	234	333.815
13	8.919	50	63.314	87	117.708	124	172.102	161	226.497	198	280.891	235	335.285
14	10.390	51	64.784	88	119.178	125	173.572	162	227.967	199	282.361	236	336.755
15	11.860	52	66.254	89	120.648	126	175.042	163	229.437	200	283.831	237	338.225
16	13.330	53	67.724	90	122.118	127	176.513	164	230.907	201	285.301	238	339.696
17	14.800	54	69.194	91	123.588	128	177.983	165	232.377	202	286.771	239	341.166
18	16.270	55	70.664	92	125.059	129	179.453	166	233.847	203	288.241	240	342.636
19	17.740	56	72.134	93	126 529	130	180.923	167	235.317	204	289.712	241	344.106
20	19.210	57	73.605	94	127.999	131	182.393	168	236.787	205	291.182	242	345.576
21	20.680	58	75.075	95	129.469	132	183.863	169	238.257	206	292.652	243	347.046
22	22.150	59	76.545	96	130.939	133	185.333	170	239.728	207	294.122	244	348.516
23	23.621	60	78.015	97	132.409	134	186.803	171	241.198	208	295.592	245	349.986
24	25.091	61	79.485	98	133 879	135	188.274	172	242.668	209	297.062	246	351.456
25	26.561	62	80.955	99	135.349	136	189.744	173	244.138	210	298.532	247	352.927
26	28.031	63	82.425	100	136.819	137	191.214	174	245.608	211	300.002	248	354.397
27	29.501	64	83.895	101	138 290	138	192.684	175	247.078	212	301.472	249	355.867
28	30.971	65	85.365	102	139.760	139	194.154	176	248.548	213	302.943	250	357.337
29	32.441	66	86.836	103	141.230	140	195.624	177	250.018	214	304.413	251	358.807
30	33.911	67	88.306	104	142.700	141	197.094	178	251.489	215	305.883	252	360.277
31	35.381	68	89.776	105	144.170	142	198.564	179	252 959	216	307.353	253	361.747
32	36.852	69	91.246	106	145.640	143	200.034	180	254.429	217	308.823	254	363.217
33	38.322	70	92.716	107	147.110	144	201.505	181	255.899	218	310.293		
34	39.792	71	94.186	108	148.580	145	202.975	182	257.369	219	311.763		
35	41.262	72	95.656	109	150.051	146	204.445	183	258.839	220	313.233		
36	42.732	73	97.126	110	151.521	147	205.915	184	260.309	221	314.704		
37	44.202	74	98.596	111	152.991	148	207.385	185	261.779	222	316.174		

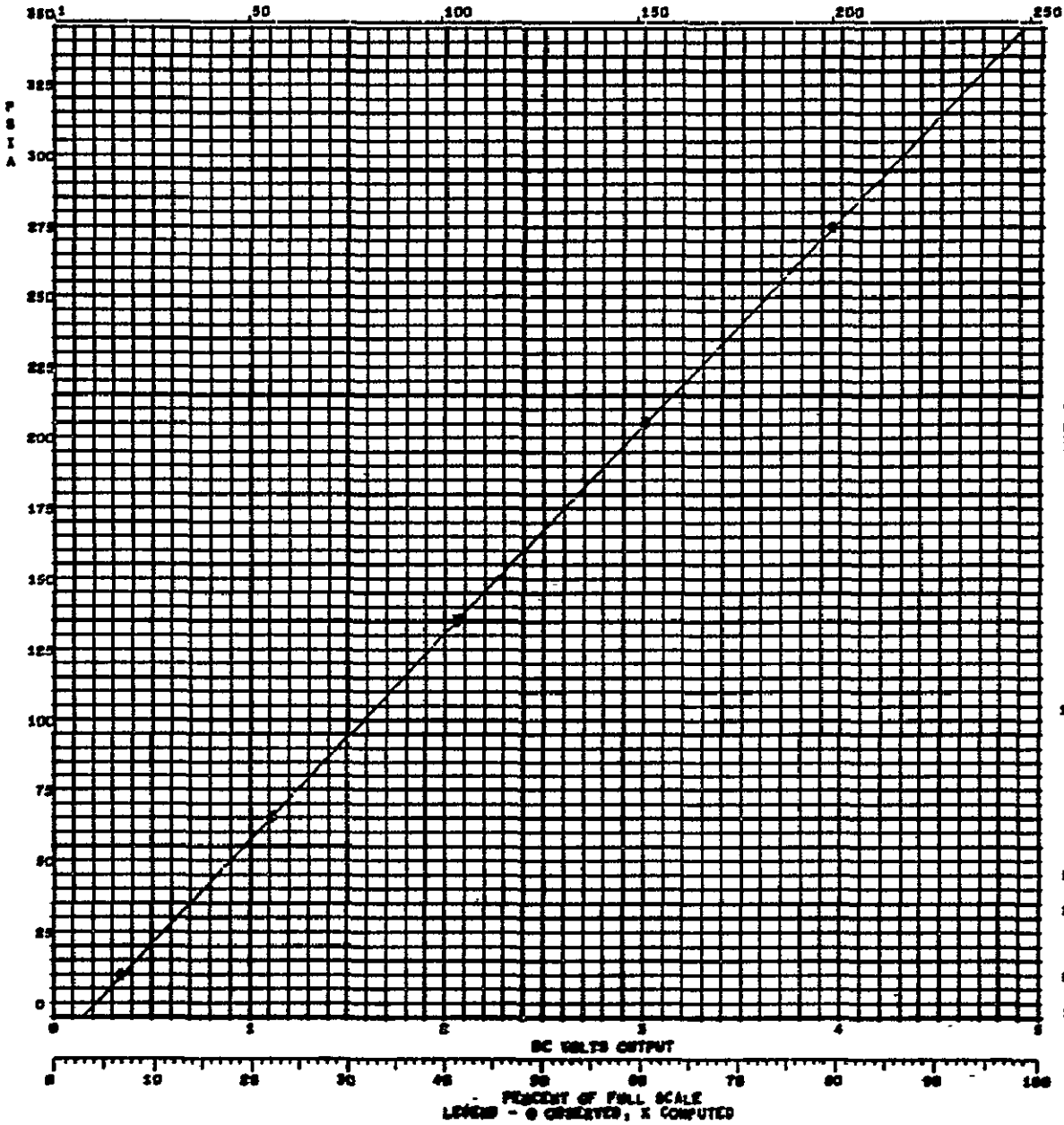
12/06/71
1 INSTALLATION DATE MAY 30,1969
PRESS NE TANK 2
CAL RANGE 14.7000 TO 288.038

SC-113

HARDWARE CALIB. NO. 79187 01 80 80

SERIAL NO.

#11145



EQUATION COEFFICIENTS

A_0= -1.097 E 01
A_1= 7.351 E 01

AL DEV= .05870

$\frac{MX\ DEV}{RANGE}$ = .00160

0% = -1.097E 01
20% = 6.254E 01
40% = 1.361E 02
60% = 2.096E 02
80% = 2.831E 02
100% = 3.566E 02

MEASUREMENT NO.

2005C0840P02

MEAS LOADING NO.

1013116 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS H2 TANK 2

MEASUREMENT NO. 2003C0040P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06553J220005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/30/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-10.970	38	42.785	75	96.541	112	150.297	149	204.053	186	257.809	223	311.564
2	-8.517	39	44.238	76	97.994	113	151.750	150	205.506	187	259.261	224	313.017
3	-8.085	40	45.691	77	99.447	114	153.203	151	206.959	188	260.714	225	314.470
4	-6.612	41	47.144	78	100.900	115	154.656	152	208.411	189	262.167	226	315.923
5	-5.159	42	48.597	79	102.353	116	156.108	153	209.864	190	263.620	227	317.376
6	-3.706	43	50.050	80	103.806	117	157.561	154	211.317	191	265.073	228	318.829
7	-2.253	44	51.503	81	105.258	118	159.014	155	212.770	192	266.526	229	320.282
8	-0.800	45	52.955	82	106.711	119	160.467	156	214.223	193	267.979	230	321.734
9	0.653	46	54.408	83	108.164	120	161.920	157	215.676	194	269.431	231	323.187
10	2.105	47	55.861	84	109.617	121	163.373	158	217.129	195	270.884	232	324.640
11	3.558	48	57.314	85	111.070	122	164.826	159	218.581	196	272.337	233	326.093
12	5.011	49	58.767	86	112.523	123	166.278	160	220 034	197	273.790	234	327.546
13	6.464	50	60.220	87	113.976	124	167.731	161	221.487	198	275.243	235	328.999
14	7.917	51	61.673	88	115.428	125	169.184	162	222.940	199	276.696	236	330.452
15	9.370	52	63.125	89	116.881	126	170.637	163	224.393	200	278.149	237	331.904
16	10.823	53	64.578	90	118.334	127	172.090	164	225.846	201	279.601	238	333.357
17	12.275	54	66.031	91	119.787	128	173.543	165	227.299	202	281.054	239	334.810
18	13.728	55	67.484	92	121.240	129	174.996	166	228.751	203	282.507	240	336.263
19	15.181	56	68.937	93	122.693	130	176.448	167	230.204	204	283.960	241	337.716
20	16.634	57	70.390	94	124.146	131	177.901	168	231.657	205	285.413	242	339.169
21	18.087	58	71.843	95	125.598	132	179.354	169	233.110	206	286.866	243	340.622
22	19.540	59	73.296	96	127.051	133	180.807	170	234.563	207	288.319	244	342.075
23	20.993	60	74.748	97	128.504	134	182.260	171	236.016	208	289.772	245	343.527
24	22.445	61	76.201	98	129.957	135	183.713	172	237.469	209	291.224	246	344.980
25	23.898	62	77.654	99	131.410	136	185.166	173	238.921	210	292.677	247	346.433
26	25.351	63	79.107	100	132.863	137	186.619	174	240.374	211	294.130	248	347.886
27	26.804	64	80.560	101	134.316	138	188.071	175	241.827	212	295.583	249	349.339
28	28.257	65	82.013	102	135.768	139	189.524	176	243.280	213	297.036	250	350.792
29	29.710	66	83.466	103	137.221	140	190.977	177	244.733	214	298.489	251	352.245
30	31.163	67	84.918	104	138.674	141	192.430	178	246.186	215	299.942	252	353.697
31	32.615	68	86.371	105	140.127	142	193.883	179	247.639	216	301.394	253	355.150
32	34.068	69	87.824	106	141.580	143	195.336	180	249.091	217	302.847	254	356.603
33	35.521	70	89.277	107	143.033	144	196.789	181	250.544	218	304.300		
34	36.974	71	90.730	108	144.486	145	198.241	182	251.997	219	305.753		
35	38.427	72	92.183	109	145.938	146	199.694	183	253.450	220	307.206		
36	39.880	73	93.636	110	147.391	147	201.147	184	254.903	221	308.659		
37	41.333	74	95.088	111	148.844	148	202.600	185	256.356	222	310.112		

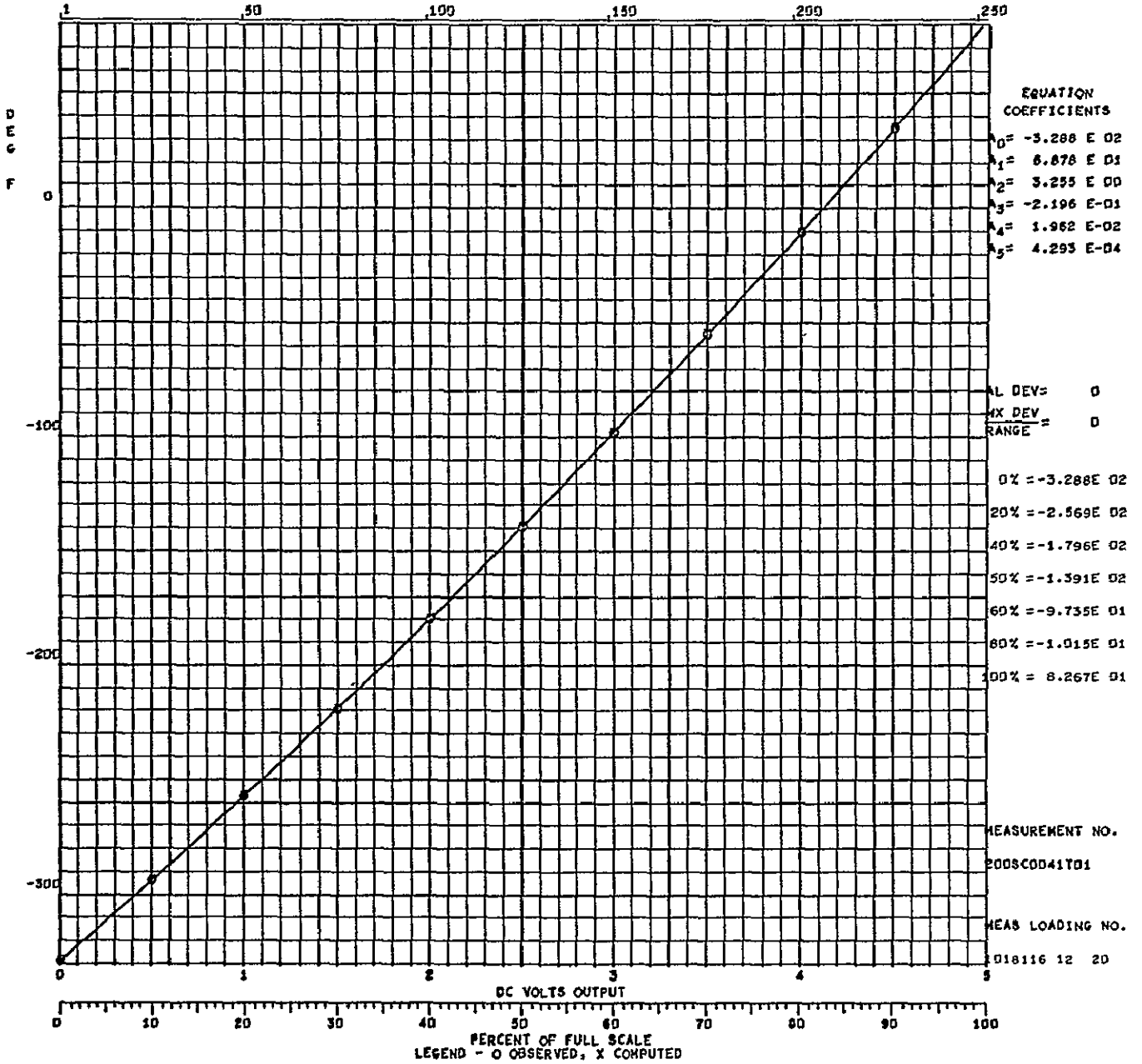
09/27/71
5 INSTALLATION DATE MAY 20,1961
TEMP O2 TANK 1
CAL RANGE -328.751 TO 82.6739

SC-113

HARDWARE CALIB. NO.
78877 01
78878 01
00

SERIAL NO.
10024XTA0026
10024XAR0027

=21515



CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP 02 TANK 1

MEASUREMENT NO. 203SC0041T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XTA0026
SIGNAL CONDITIONER SERIAL NO. 10024XAR0027
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/23/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-328.751	38	-276.798	75	-221.797	112	-164.050	149	-103.700	186	-40.722	223	25.084
2	-327.390	39	-275.349	76	-220.272	113	-162.453	150	-102.032	187	-38.982	224	26.905
3	-326.027	40	-273.899	77	-218.744	114	-160.854	151	-100.363	188	-37.240	225	28.728
4	-324.662	41	-272.447	78	-217.215	115	-159.253	152	-98.693	189	-35.496	226	30.554
5	-323.294	42	-270.992	79	-215.683	116	-157.650	153	-97.020	190	-33.749	227	32.382
6	-321.923	43	-269.535	80	-214.149	117	-156.046	154	-95.345	191	-32.001	228	34.213
7	-320.550	44	-268.076	81	-212.614	118	-154.439	155	-93.668	192	-30.251	229	36.045
8	-319.174	45	-266.615	82	-211.076	119	-152.831	156	-91.990	193	-28.498	230	37.881
9	-317.796	46	-265.151	83	-209.537	120	-151.220	157	-90.309	194	-26.744	231	39.718
10	-316.416	47	-263.686	84	-207.995	121	-149.608	158	-88.627	195	-24.987	232	41.558
11	-315.033	48	-262 218	85	-206.452	122	-147.994	159	-86.943	196	-23.228	233	43.401
12	-313.647	49	-260.748	86	-204.907	123	-146.378	160	-85.256	197	-21.467	234	45.246
13	-312.259	50	-259.276	87	-203.359	124	-144.760	161	-83.568	198	-19.704	235	47.093
14	-310.869	51	-257.802	88	-201.810	125	-143.140	162	-81.878	199	-17.939	236	48.943
15	-309.476	52	-256.325	89	-200.259	126	-141.518	163	-80.186	200	-16.172	237	50.795
16	-308.081	53	-254.847	90	-198.706	127	-139.895	164	-78.492	201	-14.402	238	52.650
17	-306.684	54	-253.367	91	-197.151	128	-138.270	165	-76.796	202	-12.631	239	54.507
18	-305.284	55	-251.884	92	-195.594	129	-136.642	166	-75.098	203	-10.857	240	56.367
19	-303.882	56	-250.399	93	-194.035	130	-135.013	167	-73.398	204	-9.081	241	58.229
20	-302.477	57	-248.912	94	-192,474	131	-133.382	168	-71.696	205	-7.303	242	60.094
21	-301.070	58	-247.423	95	-190.911	132	-131.749	169	-69.992	206	-5.523	243	61.962
22	-299.661	59	-245.932	96	-189.346	133	-130.114	170	-68.287	207	-3.740	244	63.832
23	-298.249	60	-244.439	97	-187.779	134	-128.477	171	-66.579	208	-1.956	245	65.704
24	-296.835	61	-242.944	98	-186.211	135	-126 839	172	-64.869	209	-0.169	246	67.579
25	-295.418	62	-241.447	99	-184.640	136	-125.198	173	-63.157	210	1.620	247	69.457
26	-294.000	63	-239.948	100	-183 068	137	-123.556	174	-61.443	211	3.412	248	71.337
27	-292.579	64	-238.446	101	-181.494	138	-121.912	175	-59.728	212	5.205	249	73.220
28	-291.155	65	-236.943	102	-179.917	139	-120.265	176	-58.010	213	7.001	250	75.106
29	-289.730	66	-235.438	103	-178.339	140	-118.617	177	-56 290	214	8.799	251	76.994
30	-288.302	67	-233.930	104	-176.759	141	-116.967	178	-54.569	215	10.599	252	78.884
31	-286.872	68	-232.421	105	-175.177	142	-115.316	179	-52.845	216	12.402	253	80.778
32	-285.439	69	-230.909	106	-173.593	143	-113.662	180	-51.119	217	14.207	254	82.674
33	-284.005	70	-229.395	107	-172.008	144	-112.006	181	-49.391	218	16.014		
34	-282.568	71	-227.880	108	-170 420	145	-110.349	182	-47.661	219	17.823		
35	-281.129	72	-226.362	109	-168.830	146	-108.689	183	-45.930	220	19.635		
36	-279.687	73	-224.843	110	-167.239	147	-107.028	184	-44.196	221	21 449		
37	-278.243	74	-223.321	111	-165.645	148	-105.365	185	-42.460	222	23.265		

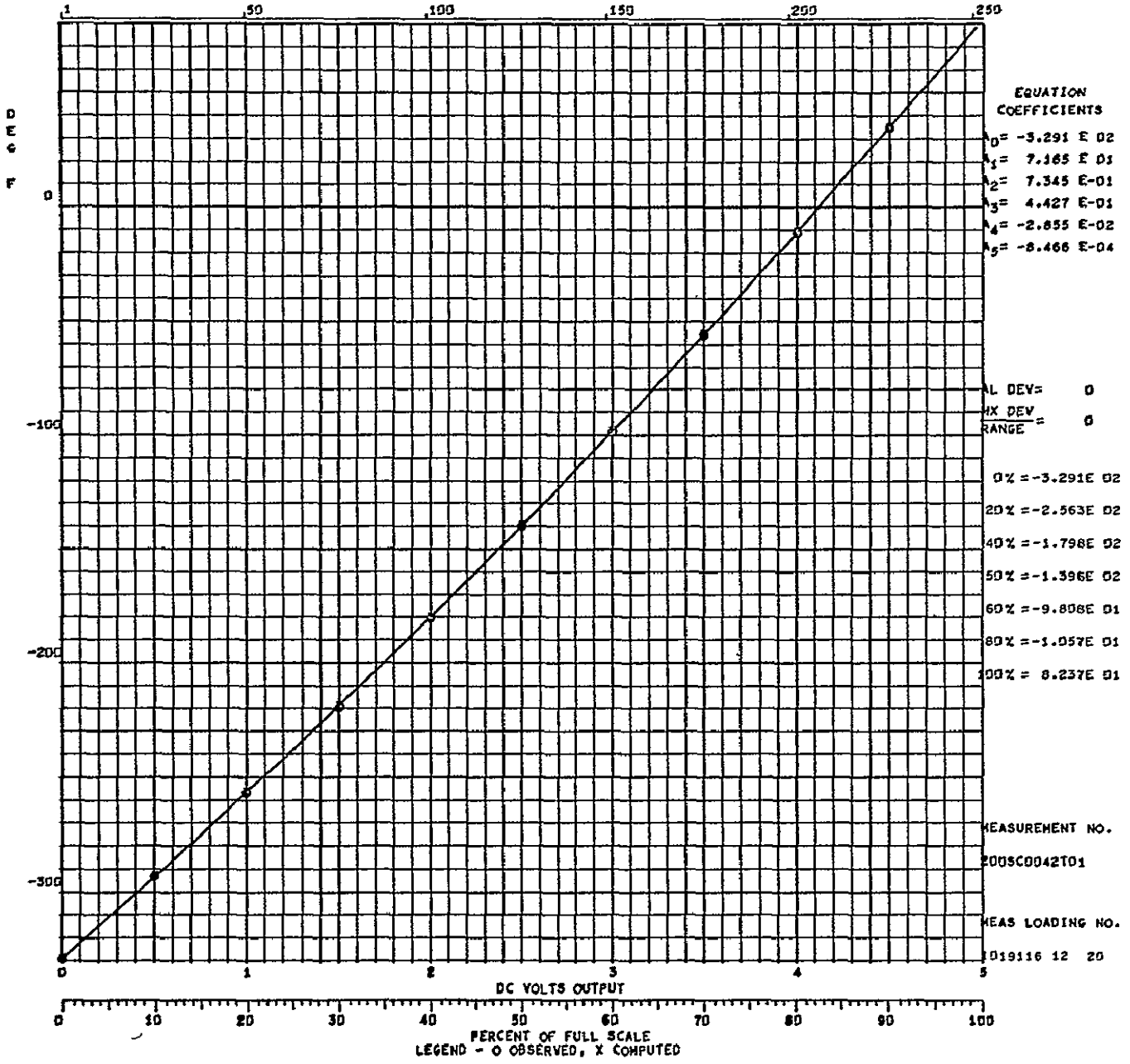
09/27/71
5 INSTALLATION DATE MAY 20,1961
TEMP O2 TANK 2
CAL RANGE -329.065 TO 82.3713

SC-113

HARDWARE CALIB. NO.
78879 01
78880 01
00

SERIAL NO.
10024XTA0035
10024XAR0033

=21515



EQUATION COEFFICIENTS

A_0= -3.291 E 02
A_1= 7.165 E 01
A_2= 7.345 E-01
A_3= 4.427 E-01
A_4= -2.855 E-02
A_5= -8.466 E-04

AL DEV= 0
MX DEV / RANGE = 0

0% =-3.291E 02
20% =-2.563E 02
40% =-1.798E 02
50% =-1.396E 02
60% =-9.808E 01
80% =-1.057E 01
100% = 8.237E 01

MEASUREMENT NO.
200SC0042T01

MEAS LOADING NO.
1019116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP O2 TANK 2

EASUREMENT NO. 20OSC0042T01
EHICLE SC-113
RANSDUCER SERIAL NO. 10024XTA0035
SIGNAL CONDITIONER SERIAL NO. 10024XAR0033
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/20/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-329.065	38	-276.119	75	-221.468	112	-164.394	149	-104.419	186	-41.321	223	24.838
2	-327.649	39	-274.668	76	-219.960	113	-162.813	150	-102.755	187	-39.572	224	26.666
3	-326.232	40	-273.215	77	-218.450	114	-161.230	151	-101.088	188	-37.821	225	28.496
4	-324.815	41	-271.762	78	-216 938	115	-159.644	152	-99.420	189	-36.068	226	30.328
5	-323.397	42	-270.307	79	-215.425	116	-158.056	153	-97.749	190	-34.312	227	32.162
6	-321.978	43	-268.851	80	-213.910	117	-156.467	154	-96.076	191	-32.554	228	33.998
7	-320.559	44	-267.394	81	-212.393	118	-154.875	155	-94.401	192	-30.795	229	35.835
8	-319.138	45	-265.935	82	-210.874	119	-153.280	156	-92.723	193	-29.032	230	37.675
9	-317.718	46	-264.475	83	-209.353	120	-151.684	157	-91.043	194	-27.268	231	39.517
10	-316.296	47	-263 013	84	-207.830	121	-150.086	158	-89.360	195	-25.501	232	41.360
11	-314.874	48	-261.550	85	-206.306	122	-148.485	159	-87.676	196	-23.732	233	43.205
12	-313.451	49	-260.086	86	-204.779	123	-146.882	160	-85.989	197	-21.961	234	45.052
13	-312.027	50	-258.620	87	-203.251	124	-145.277	161	-84.300	198	-20.188	235	46.902
14	-310 602	51	-257.153	88	-201.721	125	-143.669	162	-82.608	199	-18.413	236	48.752
15	-309.177	52	-255.684	89	-200.188	126	-142.060	163	-80.914	200	-16.635	237	50.605
16	-307.750	53	-254.214	90	-198.654	127	-140.448	164	-79.218	201	-14.855	238	52.460
17	-306.323	54	-252.742	91	-197.118	128	-138.834	165	-77.519	202	-13.073	239	54.316
18	-304 895	55	-251.269	92	-195.580	129	-137.218	166	-75.819	203	-11.289	240	56.175
19	-303.466	56	-249.794	93	-194.040	130	-135.599	167	-74.115	204	-9.503	241	58.035
20	-302.036	57	-248.318	94	-192.498	131	-133.979	168	-72.410	205	-7.714	242	59.896
21	-300 605	58	-246.840	95	-190.954	132	-132.356	169	-70.702	206	-5.923	243	61.760
22	-299.173	59	-245.361	96	-189.408	133	-130.730	170	-68.992	207	-4.131	244	63.625
23	-297.741	60	-243.880	97	-187.860	134	-129.103	171	-67.280	208	-2.336	245	65.492
24	-296.307	61	-242.397	98	-186 310	135	-127.473	172	-65.565	209	-0.539	246	67.361
25	-294.872	62	-240.913	99	-184.758	136	-125.841	173	-63 849	210	1.261	247	69.232
26	-293.436	63	-239.428	100	-183 204	137	-124.207	174	-62.129	211	3.062	248	71.104
27	-291.999	64	-237.940	101	-181.648	138	-122.571	175	-60.408	212	4.865	249	72.978
28	-290.561	65	-236.451	102	-180.090	139	-120.932	176	-58.684	213	6.671	250	74.853
29	-289.122	66	-234.960	103	-178.530	140	-119.291	177	-56.958	214	8.478	251	76.730
30	-287.682	67	-233.468	104	-176 968	141	-117.647	178	-55.230	215	10.288	252	78.609
31	-286.241	68	-231.974	105	-175.403	142	-116.002	179	-53.499	216	12.100	253	80.489
32	-284.798	69	-230.478	106	-173.837	143	-114.354	180	-51.766	217	13.913	254	82.372
33	-283.355	70	-228.981	107	-172.268	144	-112.704	181	-50.031	218	15.729		
34	-281.910	71	-227.482	108	-170.698	145	-111.051	182	-48.293	219	17.547		
35	-280.464	72	-225.981	109	-169.125	146	-109.397	183	-46.554	220	19.367		
36	-279.017	73	-224.478	110	-167.550	147	-107.740	184	-44.812	221	21.189		
37	-277.568	74	-222.974	111	-165 973	148	-106.080	185	-43.067	222	23.013		

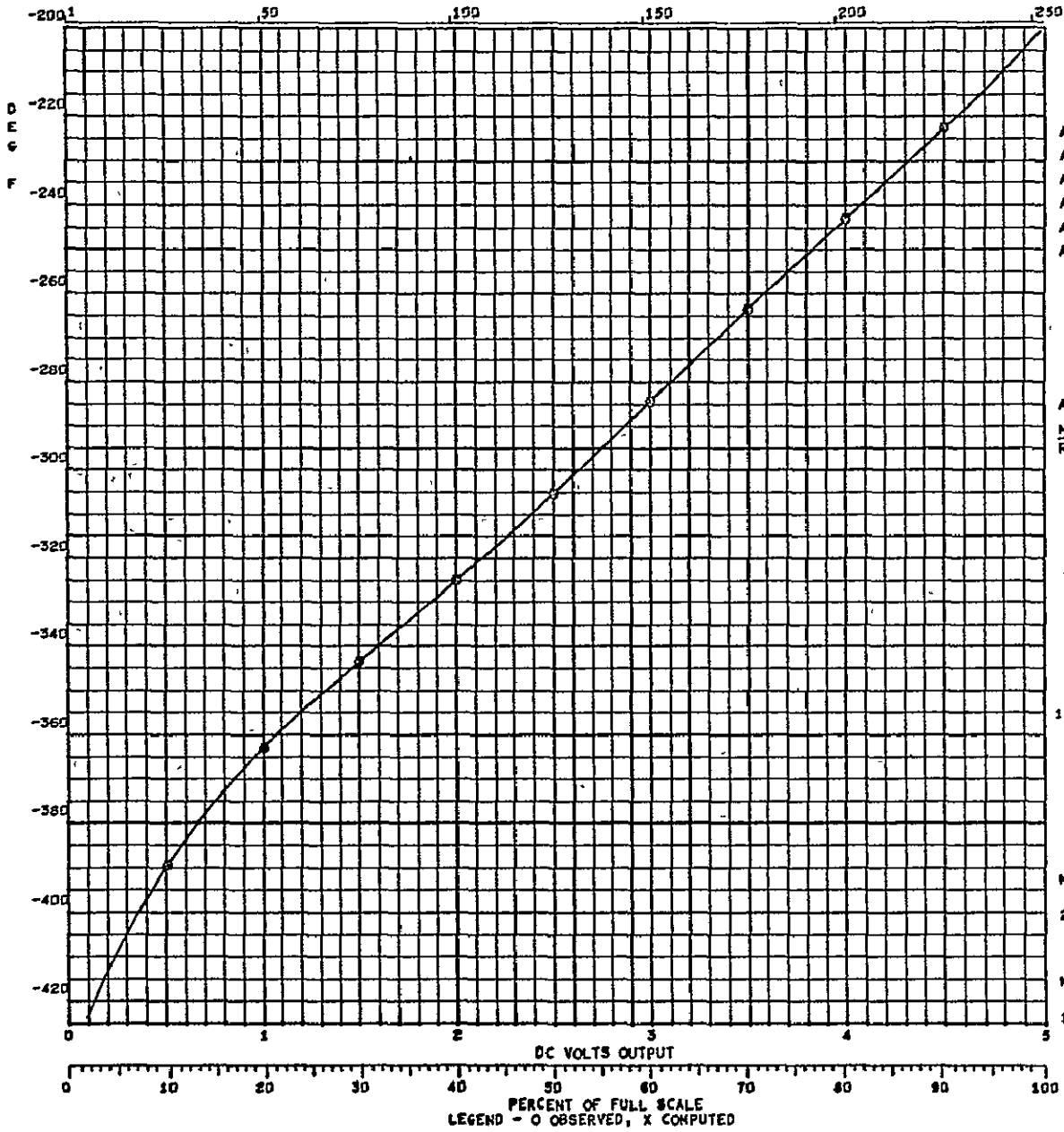
09/27/71
5 INSTALLATION DATE FEB. 3,1969
TEMP H2 TANK 1
CAL RANGE -433.276 TO-199.767

SC-113

HARDWARE CALIB. NO.
78845 01
78846 01
00

SERIAL NO.
10024HTA0026
10024HARD033

=21515



EQUATION COEFFICIENTS

A_0= -4.333 E 02
A_1= 1.146 E 02
A_2= -6.587 E 01
A_3= 2.589 E 01
A_4= -4.670 E 00
A_5= 3.166 E-01

AL DEV= 0
MX DEV / RANGE = 0

0% =-4.333E 02
20% =-3.630E 02
40% =-3.249E 02
50% =-3.053E 02
60% =-2.844E 02
80% =-2.429E 02
100% =-1.998E 02

MEASUREMENT NO.
200SC0043T01

MEAS LOADING NO.
1020116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP H2 TANK 1

MEASUREMENT NO. 200SC0043T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024HTA0026
SIGNAL CONDITIONER SERIAL NO. 10024HAR0033
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/03/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-433.276	38	-375.808	75	-344.748	112	-317.496	149	-287.611	186	-256.866	223	-227.306
2	-431.036	39	-374.769	76	-344.019	113	-316.726	150	-286.776	187	-256.052	224	-226.500
3	-428.846	40	-373.748	77	-343.291	114	-315.954	151	-285.940	188	-255.240	225	-225.690
4	-426.705	41	-372.743	78	-342.565	115	-315.179	152	-285.103	189	-254.429	226	-224.878
5	-424.612	42	-371.754	79	-341.840	116	-314.402	153	-284.266	190	-253.620	227	-224.063
6	-422.566	43	-370.780	80	-341.116	117	-313.622	154	-283.429	191	-252.812	228	-223.245
7	-420.566	44	-369.821	81	-340.393	118	-312.840	155	-282.592	192	-252.005	229	-222.423
8	-418.610	45	-368.877	82	-339.670	119	-312 056	156	-281.754	193	-251.200	230	-221.598
9	-416.697	46	-367.946	83	-338.948	120	-311.269	157	-280.916	194	-250.396	231	-220.768
10	-414.827	47	-367.028	84	-338.225	121	-310.480	158	-280.079	195	-249.592	232	-219.934
11	-412.998	48	-366.122	85	-337.502	122	-309.688	159	-279.241	196	-248.791	233	-219.095
12	-411.210	49	-365.229	86	-336.779	123	-308 894	160	-278.403	197	-247.990	234	-218.252
13	-409.461	50	-364.347	87	-336.056	124	-308.098	161	-277.566	198	-247.190	235	-217.403
14	-407.750	51	-363.476	88	-335.332	125	-307.300	162	-276.728	199	-246.392	236	-216.548
15	-406.076	52	-362.616	89	-334.608	126	-306.499	163	-275.892	200	-245.594	237	-215.688
16	-404.439	53	-361.765	90	-333.882	127	-305.697	164	-275.055	201	-244.798	238	-214.821
17	-402.837	54	-360.924	91	-333.156	128	-304.892	165	-274.219	202	-244.002	239	-213.947
18	-401.269	55	-360.092	92	-332.428	129	-304.085	166	-273.383	203	-243.207	240	-213.067
19	-399.735	56	-359 269	93	-331.699	130	-303.277	167	-272.549	204	-242.413	241	-212.178
20	-398.233	57	-358.454	94	-330.969	131	-302.466	168	-271.714	205	-241.619	242	-211.283
21	-396.763	58	-357.647	95	-330.237	132	-301.653	169	-270.881	206	-240.826	243	-210.379
22	-395.324	59	-356.847	96	-329.504	133	-300.839	170	-270.048	207	-240.034	244	-209.466
23	-393.915	60	-356 054	97	-328.769	134	-300.023	171	-269.216	208	-239.241	245	-208.544
24	-392.534	61	-355 268	98	-328.032	135	-299.205	172	-268.385	209	-238.449	246	-207.613
25	-391.182	62	-354.487	99	-327.293	136	-298.385	173	-267.555	210	-237.658	247	-206.672
26	-389.857	63	-353.713	100	-326.553	137	-297.564	174	-266.726	211	-236.866	248	-205.720
27	-388.559	64	-352.944	101	-325.810	138	-296.741	175	-265.897	212	-236.073	249	-204.758
28	-387.286	65	-352.180	102	-325.066	139	-295.917	176	-265.070	213	-235.281	250	-203.784
29	-386.038	66	-351.420	103	-324.319	140	-295.092	177	-264.244	214	-234.488	251	-202.799
30	-384.815	67	-350.666	104	-323.570	141	-294.265	178	-263.419	215	-233.695	252	-201.801
31	-383.614	68	-349.915	105	-322.819	142	-293.437	179	-262.596	216	-232.901	253	-200.790
32	-382.437	69	-349.168	106	-322.066	143	-292.607	180	-261.773	217	-232.106	254	-199.766
33	-381.281	70	-348.424	107	-321.310	144	-291.777	181	-260.952	218	-231.310		
34	-380.147	71	-347.684	108	-320.552	145	-290.946	182	-260.132	219	-230.512		
35	-379.033	72	-346.946	109	-319.792	146	-290.113	183	-259.314	220	-229.713		
36	-377.939	73	-346.211	110	-319.029	147	-289.280	184	-258.496	221	-228.913		
37	-376.864	74	-345.478	111	-318.264	148	-288.446	185	-257.680	222	-228.111		

09/27/71

5 INSTALLATION DATE FEB. 3,1969

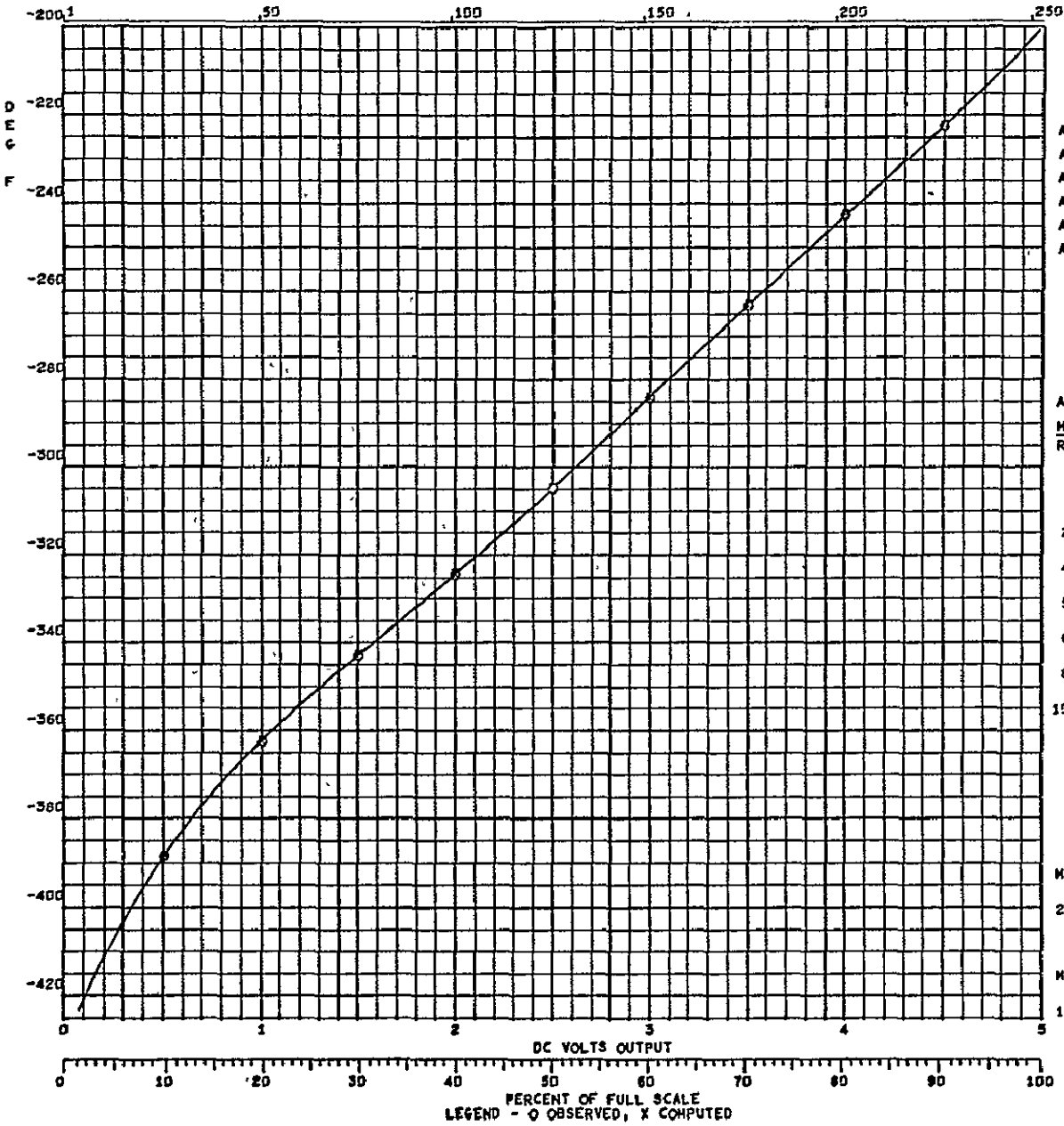
TEMP H2 TANK 2

CAL RANGE -450.580 TO-199.583

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78847 01	10024HTA0032
78848 01	10024HAR0034
00	

=21515



EQUATION COEFFICIENTS

A_0= -4.306 E 02

A_1= 1.097 E 02

A_2= -6.153 E 01

A_3= 2.415 E 01

A_4= -4.346 E 00

A_5= 2.941 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% =-4.306E 02

20% =-3.623E 02

40% =-3.243E 02

50% =-3.047E 02

60% =-2.839E 02

80% =-2.425E 02

100% =-1.996E 02

MEASUREMENT NO.

200SC0044T01

MEAS LOADING NO.

1021116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP H2 TANK 2

MEASUREMENT NO. 200SC0044T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024HTA0032
SIGNAL CONDITIONER SERIAL NO. 10024HAR0034
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/03/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-430.580	38	-375.007	75	-344.143	112	-316.855	149	-287.081	186	-256.445	223	-226.877
2	-428.436	39	-373.987	76	-343.412	113	-316.086	150	-286 250	187	-255.632	224	-226.071
3	-426.338	40	-372.982	77	-342.683	114	-315.315	151	-285.418	188	-254.821	225	-225.263
4	-424.287	41	-371.993	78	-341.955	115	-314.542	152	-284.586	189	-254.011	226	-224.452
5	-422.281	42	-371.019	79	-341.229	116	-313.766	153	-283.753	190	-253.202	227	-223.638
6	-420.318	43	-370.059	80	-340.503	117	-312.988	154	-282.920	191	-252.395	228	-222.821
7	-418.398	44	-369.113	81	-339.778	118	-312.208	155	-282.086	192	-251.588	229	-222.002
8	-416.520	45	-368.180	82	-339.053	119	-311.425	156	-281.252	193	-250.783	230	-221.178
9	-414.682	46	-367.260	83	-338.328	120	-310.640	157	-280.419	194	-249.979	231	-220.351
10	-412.884	47	-366.352	84	-337.604	121	-309.853	158	-279.585	195	-249.176	232	-219.520
11	-411.124	48	-365.456	85	-336.880	122	-309 064	159	-278.751	196	-248.374	233	-218.684
12	-409.402	49	-364.571	86	-336.155	123	-308.273	160	-277.917	197	-247.573	234	-217.844
13	-407.717	50	-363.697	87	-335.430	124	-307.479	161	-277.083	198	-246.774	235	-217.000
14	-406.068	51	-362.833	88	-334.704	125	-306.683	162	-276.249	199	-245.975	236	-216.150
15	-404.453	52	-361.980	89	-333.978	126	-305.886	163	-275.416	200	-245.177	237	-215.294
16	-402.872	53	-361.135	90	-333 251	127	-305.086	164	-274.583	201	-244.380	238	-214.433
17	-401.325	54	-360.299	91	-332.522	128	-304.284	165	-273.750	202	-243.584	239	-213.565
18	-399.809	55	-359.472	92	-331.793	129	-303.480	166	-272.918	203	-242.788	240	-212.691
19	-398.325	56	-358.653	93	-331.063	130	-302.675	167	-272.086	204	-241.993	241	-211.811
20	-396.871	57	-357.842	94	-330.331	131	-301.867	168	-271.255	205	-241.199	242	-210.923
21	-395.447	58	-357.038	95	-329.598	132	-301.058	169	-270.425	206	-240.405	243	-210.027
22	-394.051	59	-356.241	96	-328.864	133	-300.247	170	-269.595	207	-239.612	244	-209.124
23	-392.683	60	-355.450	97	-328.128	134	-299.434	171	-268.766	208	-238.819	245	-208.212
24	-391.343	61	-354.666	98	-327.390	135	-298.620	172	-267.938	209	-238.026	246	-207.292
25	-390.029	62	-353.887	99	-326.651	136	-297.804	173	-267.110	210	-237.233	247	-206.362
26	-388.740	63	-353.114	100	-325.910	137	-296.987	174	-266.283	211	-236.441	248	-205.423
27	-387.476	64	-352.345	101	-325.167	138	-296.168	175	-265.458	212	-235.648	249	-204.474
28	-386.237	65	-351.582	102	-324.421	139	-295.347	176	-264.633	213	-234.855	250	-203.514
29	-385.020	66	-350.823	103	-323.674	140	-294.526	177	-263.809	214	-234.061	251	-202.544
30	-383.826	67	-350.068	104	-322.925	141	-293.703	178	-262.986	215	-233.267	252	-201.562
31	-382.655	68	-349.317	105	-322.174	142	-292.879	179	-262.165	216	-232.473	253	-200.569
32	-381.504	69	-348.569	106	-321.421	143	-292.053	180	-261.344	217	-231.677	254	-199.563
33	-380.374	70	-347.825	107	-320.666	144	-291.227	181	-260.524	218	-230.881		
34	-379.263	71	-347.084	108	-319.908	145	-290.399	182	-259.706	219	-230.083		
35	-378.172	72	-346.345	109	-319.148	146	-289.571	183	-258.889	220	-229.284		
36	-377.099	73	-345.609	110	-318.386	147	-288.742	184	-258.073	221	-228.484		
37	-376.045	74	-344.875	111	-317.622	148	-287.912	185	-257.258	222	-227.681		

10/27/71

INSTALLATION DATE MAY 7,1961

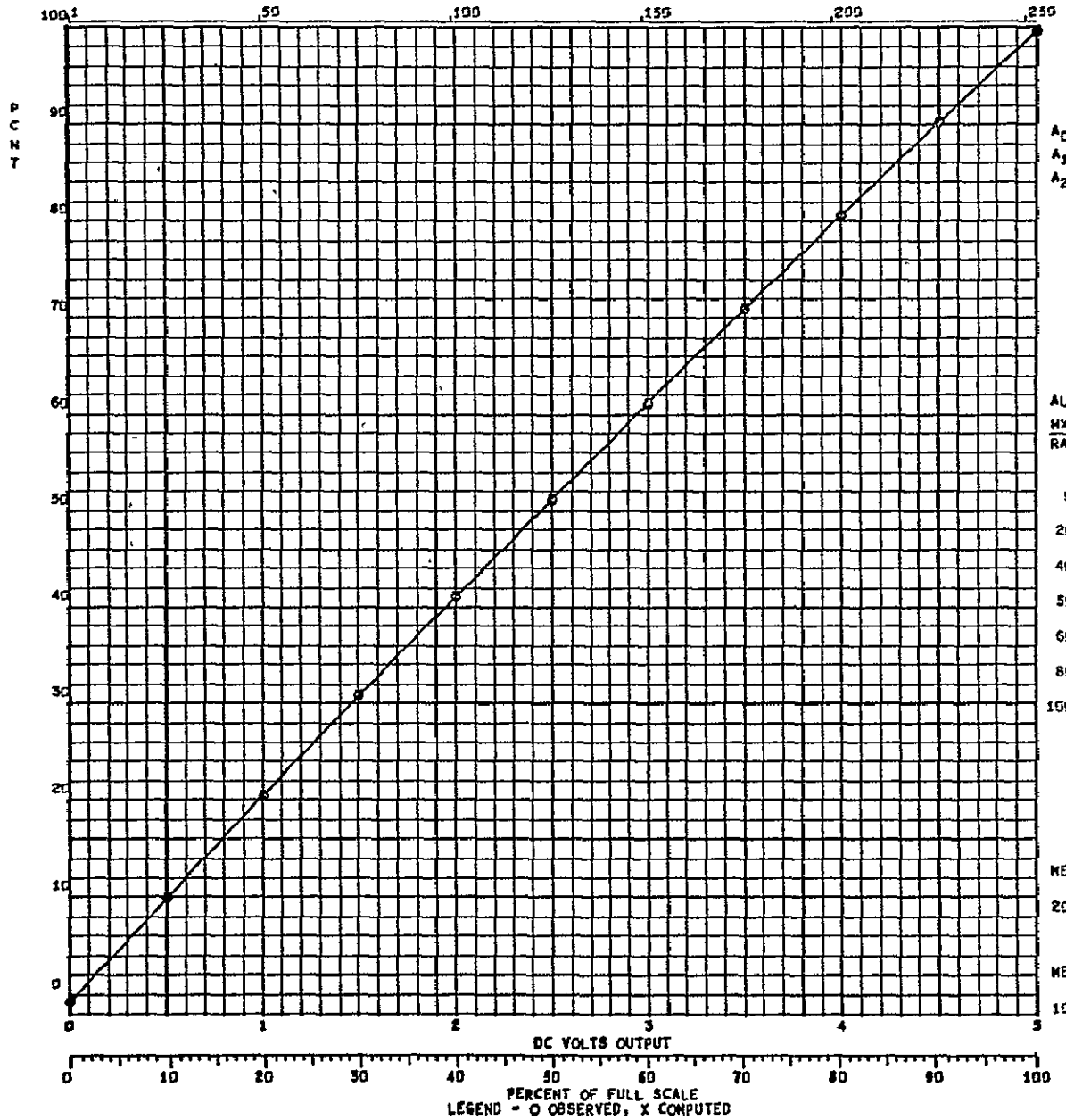
QUANTITY H2 TANK 3

CAL RANGE -.800396 TO 99.6402

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78744 01	10024HTA0033
79008 01	10024HAR0046
00	0000000000000000

#21515



EQUATION COEFFICIENTS

A_0= -8.004 E-01

A_1= 2.150 E 01

A_2= -2.628 E-01

AL DEV= .01353

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .00013

0% = -8.004E-01

20% = 2.042E 01

40% = 4.197E 01

50% = 5.119E 01

60% = 6.116E 01

80% = 8.068E 01

100% = 9.964E 01

MEASUREMENT NO.

200SC0050002

MEAS LOADING NO.

1001116 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUANTITY H2 TANK 3

MEASUREMENT NO. 200SC0050002
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024HTA0033
SIGNAL CONDITIONER SERIAL NO. 10024HAR0046
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 05/07/61

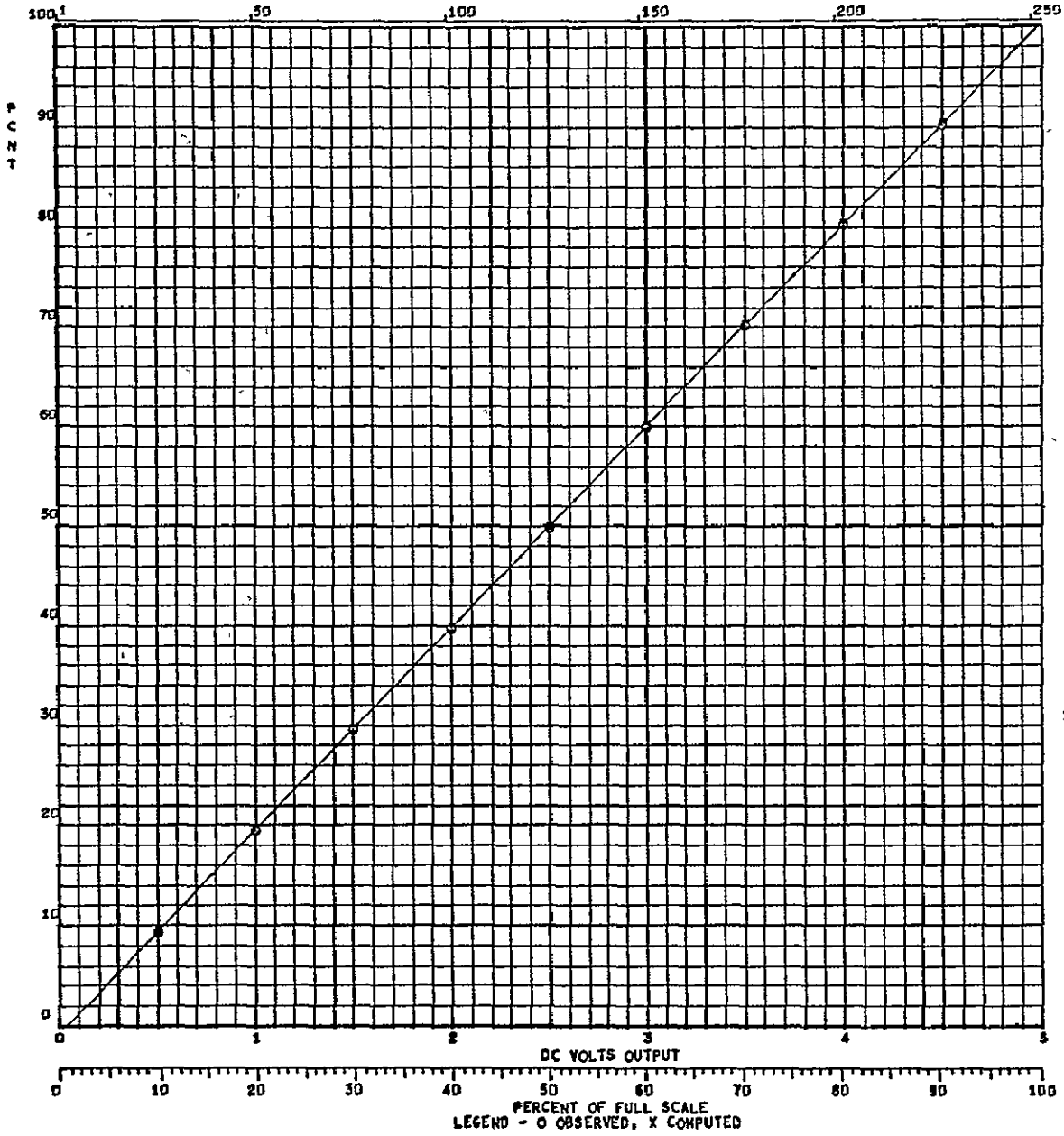
CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	-0.800	38	14.771	75	30.041	112	45.008	149	59.672	186	74.034	223	88.093
2	-0.376	39	15.188	76	30.449	113	45.408	150	60.064	187	74.418	224	88.469
3	0.049	40	15.604	77	30.857	114	45.808	151	60.456	188	74.802	225	88.845
4	0.473	41	16.021	78	31.265	115	46.208	152	60.848	189	75.185	226	89.220
5	0.898	42	16 437	79	31.673	116	46.607	153	61.239	190	75.568	227	89.595
6	1.322	43	16.852	80	32.081	117	47.007	154	61.630	191	75.952	228	89.970
7	1.745	44	17.268	81	32.488	118	47.406	155	62.021	192	76.334	229	90.345
8	2.169	45	17.683	82	32.895	119	47.805	156	62.412	193	76.717	230	90.719
9	2.592	46	18.098	83	33.302	120	48.204	157	62.803	194	77.099	231	91.094
10	3.015	47	18.513	84	33.709	121	48.602	158	63.193	195	77.482	232	91.468
11	3.438	48	18.928	85	34.116	122	49.001	159	63.583	196	77.864	233	91.841
12	3.861	49	19.342	86	34.522	123	49.399	160	63.973	197	78.245	234	92.215
13	4.283	50	19.757	87	34.928	124	49.797	161	64.363	198	78.627	235	92.588
14	4.705	51	20.171	88	35.334	125	50.194	162	64.752	199	79.008	236	92.961
15	5.127	52	20.584	89	35.739	126	50.592	163	65.142	200	79.389	237	93.334
16	5.549	53	20.998	90	36.145	127	50.989	164	65.531	201	79.770	238	93.707
17	5.970	54	21.411	91	36.550	128	51.386	165	65.920	202	80.151	239	94.080
18	6.392	55	21.825	92	36.955	129	51.783	166	66.308	203	80.531	240	94.452
19	6.813	56	22.237	93	37.360	130	52.179	167	66.697	204	80.911	241	94.824
20	7.234	57	22.650	94	37.764	131	52.576	168	67.085	205	81.291	242	95.196
21	7.654	58	23.063	95	38.168	132	52.972	169	67.473	206	81.671	243	95.567
22	8.075	59	23.475	96	38.572	133	53.368	170	67.860	207	82.051	244	95.939
23	8.495	60	23.887	97	38.976	134	53.763	171	68.248	208	82.430	245	96.310
24	8.915	61	24.299	98	39.380	135	54.159	172	68.635	209	82.809	246	96.681
25	9.335	62	24.710	99	39.783	136	54.554	173	69.022	210	83.188	247	97.051
26	9.754	63	25.122	100	40.187	137	54.949	174	69.409	211	83.567	248	97.422
27	10.174	64	25.533	101	40.590	138	55.344	175	69.796	212	83.945	249	97.792
28	10.593	65	25.944	102	40.992	139	55.738	176	70.182	213	84.323	250	98.162
29	11.011	66	26.354	103	41.395	140	56.133	177	70.568	214	84.701	251	98.532
30	11.430	67	26.765	104	41.797	141	56.527	178	70.954	215	85.079	252	98.902
31	11.849	68	27.175	105	42.199	142	56.921	179	71.340	216	85.457	253	99.271
32	12.267	69	27.585	106	42.601	143	57.314	180	71.725	217	85.834	254	99.640
33	12.685	70	27.995	107	43.003	144	57.708	181	72.111	218	86.211		
34	13.103	71	28.405	108	43.404	145	58.101	182	72.496	219	86.588		
35	13.520	72	28.814	109	43.805	146	58.494	183	72.881	220	86.965		
36	13.937	73	29.223	110	44.206	147	58.887	184	73.265	221	87.341		
37	14.354	74	29.632	111	44.607	148	59.280	185	73.650	222	87.717		

09/27/71
1 INSTALLATION DATE MAY 7,1961
QUANTITY O2 TANK 3
CAL RANGE -.783660 TO 100.516

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78738 01	10024XAR0024
78739 01	10024XAR0024
00	

=21515



EQUATION COEFFICIENTS

A_0= -7.837 E-01
A_1= 2.026 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-7.837E-01
20% = 1.948E 01
40% = 3.974E 01
50% = 4.987E 01
60% = 6.000E 01
80% = 8.026E 01
100% = 1.005E 02

MEASUREMENT NO.
200SC0051Q01

MEAS LOADING NO.
1105041 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUANTITY OF TANK 3

MEASUREMENT NO. 2005C0051001
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XAR0024
SIGNAL CONDITIONER SERIAL NO. 10024XAR0024
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/07/61

CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	-0.784	38	14.031	75	28.845	112	43.660	149	58.474	186	73.289	223	88.103
2	-0.383	39	14.431	76	29.246	113	44.060	150	58.875	187	73.689	224	88.504
3	0.017	40	14.832	77	29.646	114	44.461	151	59.275	188	74.090	225	88.904
4	0.418	41	15.232	78	30.047	115	44.861	152	59.676	189	74.490	226	89.305
5	0.818	42	15.632	79	30.447	116	45.261	153	60.076	190	74.891	227	89.705
6	1.218	43	16.033	80	30.847	117	45.662	154	60.476	191	75.291	228	90.105
7	1.619	44	16.433	81	31.248	118	46.062	155	60.877	192	75.691	229	90.506
8	2.019	45	16.834	82	31.648	119	46.463	156	61.277	193	76.092	230	90.906
9	2.419	46	17.234	83	32.049	120	46.863	157	61.678	194	76.492	231	91.307
10	2.820	47	17.634	84	32.449	121	47.263	158	62.078	195	76.892	232	91.707
11	3.220	48	18.035	85	32.849	122	47.664	159	62.478	196	77.293	233	92.107
12	3.621	49	18.435	86	33.250	123	48.064	160	62.879	197	77.693	234	92.508
13	4.021	50	18.836	87	33.650	124	48.465	161	63.279	198	78.094	235	92,908
14	4.421	51	19.236	88	34.050	125	48.865	162	63.680	199	78.494	236	93.309
15	4.822	52	19.636	89	34.451	126	49.265	163	64.080	200	78.894	237	93.709
16	5.222	53	20.037	90	34.851	127	49.666	164	64.480	201	79.295	238	94.109
17	5.623	54	20 437	91	35.252	128	50.066	165	64.881	202	79.695	239	94.510
18	6.023	55	20.838	92	35.652	129	50.467	166	65.281	203	80.096	240	94.910
19	6.423	56	21.238	93	36.052	130	50.867	167	65.681	204	80.496	241	95.311
20	6.824	57	21.638	94	36.453	131	51.267	168	66.082	205	80.896	242	95.711
21	7.224	58	22.039	95	36.853	132	51.668	169	66.482	206	81.297	243	96,111
22	7.625	59	22.439	96	37.254	133	52.068	170	66.883	207	81.697	244	96.512
23	8.025	60	22.839	97	37.654	134	52.469	171	67.283	208	82.098	245	96,912
24	8.425	61	23.240	98	38.054	135	52.869	172	67.683	209	82.498	246	97.313
25	8.826	62	23.640	99	38.455	136	53.269	173	68.084	210	82.898	247	97.713
26	9.226	63	24.041	100	38.855	137	53.670	174	68.484	211	83.299	248	98.113
27	9.627	64	24:441	101	39.256	138	54.070	175	68.885	212	83.699	249	98.514
28	10.027	65	24.841	102	39.656	139	54.470	176	69.285	213	84.100	250	98.914
29	10.427	66	25.242	103	40.056	140	54.871	177	69.685	214	84.500	251	99.314
30	10.828	67	25.642	104	40.457	141	55.271	178	70.086	215	84.900	252	99,715
31	11.228	68	26.043	105	40.857	142	55.672	179	70.486	216	85.301	253	100.115
32	11.629	69	26.443	106	41.258	143	56.072	180	70.887	217	85.701	254	100.516
33	12.029	70	26.843	107	41.658	144	56.472	181	71.287	218	86.101		
34	12.429	71	27.244	108	42.058	145	56.873	182	71.687	219	86.502		
35	12.830	72	27.644	109	42.459	146	57.273	183	72.088	220	86.902		
36	13.230	73	28 045	110	42,859	147	57.674	184	72.488	221	87.303		
37	13.630	74	28.445	111	43.260	148	58.074	185	72.889	222	87.703		

7-19

09/27/71

1 INSTALLATION DATE MAY 7,1961

PRESS H2 TANK 3

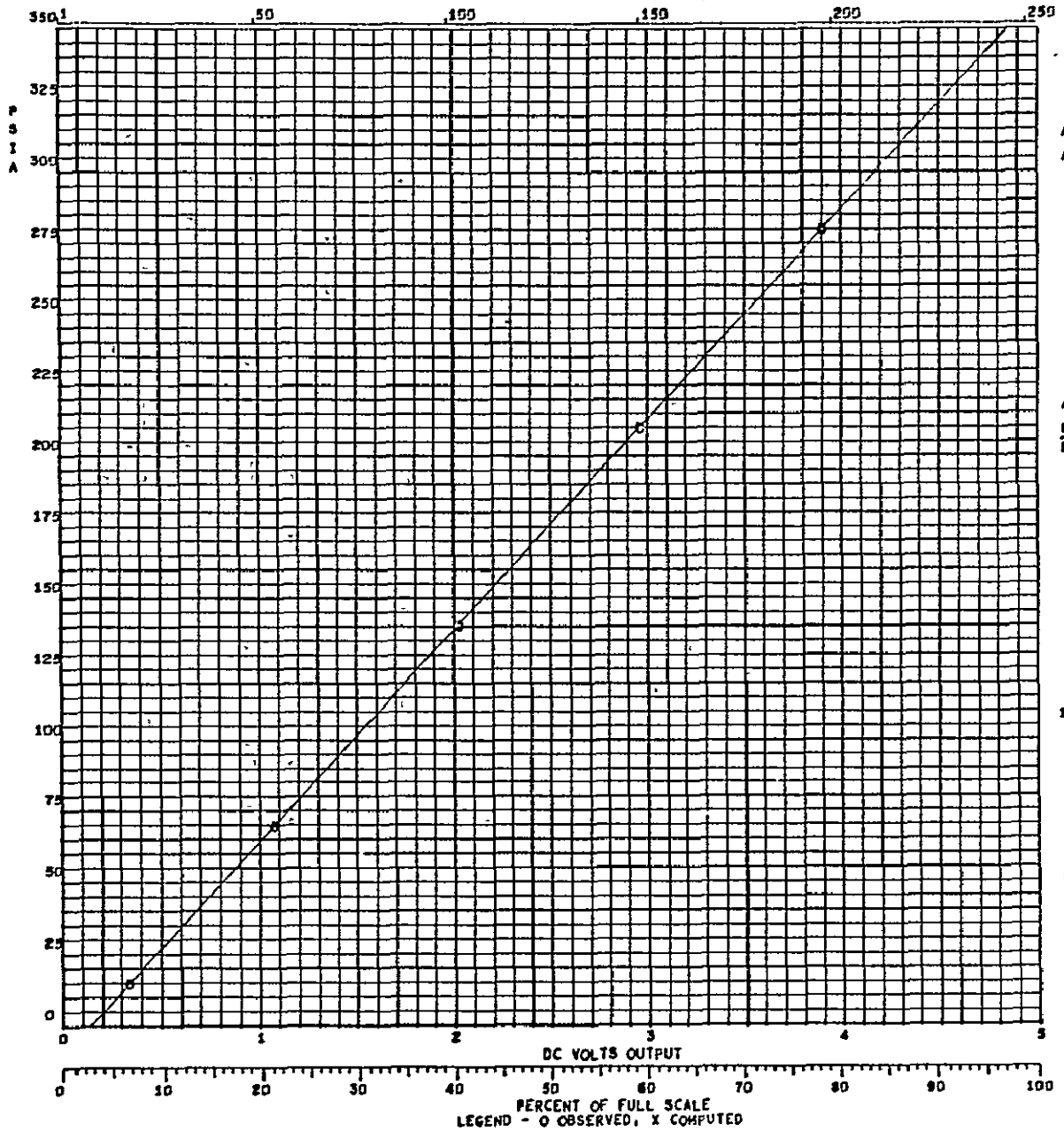
CAL RANGE 14.6816 TO 279.721

SC-113

HARDWARE CALIB. NO. 82225 02 00 00

SERIAL NO. 06553M500105

*21515



EQUATION COEFFICIENTS

A_0= -1.016 E 01

A_1= 7.433 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = -1.016E 01

20% = 6.417E 01

40% = 1.385E 02

50% = 1.757E 02

60% = 2.128E 02

80% = 2.872E 02

100% = 3.615E 02

MEASUREMENT NO.

200SC0052002

MEAS LOADING NO.

1102043 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS H2 TANK 3

MEASUREMENT NO. 2005C0052902
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0655SH500105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/07/61

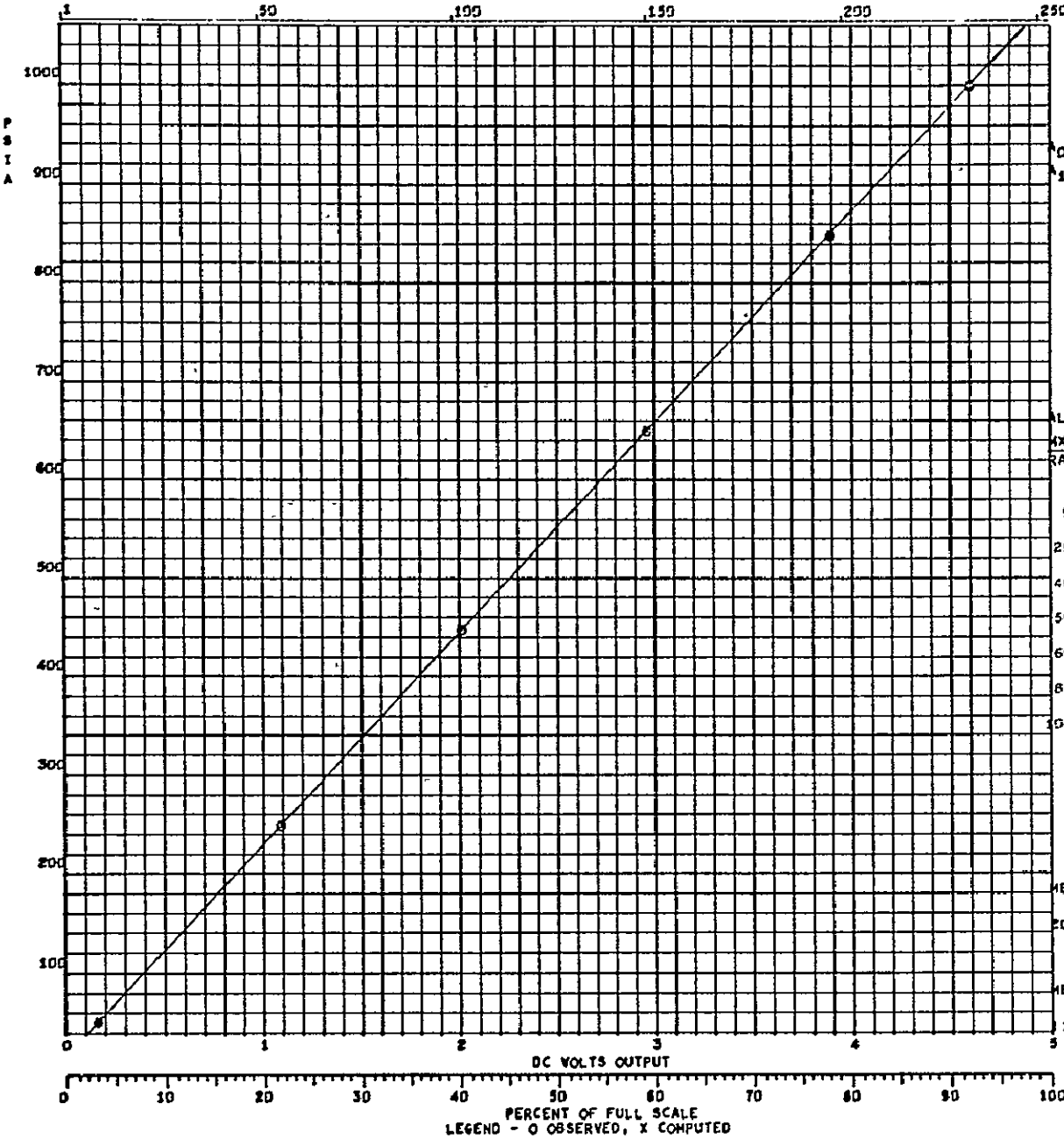
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-10.165	38	44.187	75	98.539	112	152.891	149	207.243	186	261.595	223	315.946
2	-8.696	39	45.656	76	100.008	113	154.360	150	208.712	187	263.064	224	317.415
3	-7.227	40	47.125	77	101.477	114	155.829	151	210.181	188	264.532	225	318.884
4	-5.758	41	48.594	78	102.946	115	157.298	152	211.650	189	266.001	226	320.353
5	-4.289	42	50.065	79	104.415	116	158.767	153	213.119	190	267.470	227	321.822
6	-2.820	43	51.532	80	105.884	117	160.236	154	214.588	191	268.939	228	323.291
7	-1.351	44	53.001	81	107.353	118	161.705	155	216.057	192	270.408	229	324.760
8	0.118	45	54.470	82	108.822	119	163.174	156	217.526	193	271.877	230	326.229
9	1.587	46	55.939	83	110.291	120	164.643	157	218.994	194	273.346	231	327.698
10	3.056	47	57.408	84	111.760	121	166.112	158	220.463	195	274.815	232	329.167
11	4.525	48	58.877	85	113.229	122	167.581	159	221.932	196	276.284	233	330.636
12	5.994	49	60.346	86	114.698	123	169.050	160	223.401	197	277.753	234	332.105
13	7.463	50	61.815	87	116.167	124	170.519	161	224.870	198	279.222	235	333.574
14	8.932	51	63.284	88	117.636	125	171.988	162	226.339	199	280.691	236	335.043
15	10.401	52	64.753	89	119.105	126	173.456	163	227.808	200	282.160	237	336.512
16	11.870	53	66.222	90	120.574	127	174.925	164	229.277	201	283.629	238	337.981
17	13.339	54	67.691	91	122.043	128	176.394	165	230.746	202	285.098	239	339.450
18	14.808	55	69.160	92	123.512	129	177.863	166	232.215	203	286.567	240	340.919
19	16.277	56	70.629	93	124.981	130	179.332	167	233.684	204	288.036	241	342.388
20	17.746	57	72.098	94	126.450	131	180.801	168	235.153	205	289.505	242	343.857
21	19.215	58	73.567	95	127.918	132	182,270	169	236.622	206	290.974	243	345.326
22	20.684	59	75.036	96	129.387	133	183.739	170	238.091	207	292.443	244	346.795
23	22.153	60	76.505	97	130.856	134	185.208	171	239.560	208	293.912	245	348.264
24	23.622	61	77.974	98	132.325	135	186.677	172	241.029	209	295.381	246	349.733
25	25.091	62	79.443	99	133.794	136	188.146	173	242.498	210	296.850	247	351.202
26	26.560	63	80.911	100	135.263	137	189.615	174	243.967	211	298.319	248	352.671
27	28.029	64	82.380	101	136.732	138	191.084	175	245.436	212	299.788	249	354.140
28	29.498	65	83.849	102	138.201	139	192.553	176	246.905	213	301.257	250	355.609
29	30.967	66	85.318	103	139.670	140	194.022	177	248.374	214	302.726	251	357.078
30	32.436	67	86.787	104	141.139	141	195.491	178	249.843	215	304.195	252	358.547
31	33.905	68	88.256	105	142.608	142	196.960	179	251.312	216	305.664	253	360.016
32	35.373	69	89.725	106	144.077	143	198.429	180	252.781	217	307,133	254	361.484
33	36.842	70	91.194	107	145.546	144	199.898	181	254.250	218	308.602		
34	38.311	71	92.663	108	147.015	145	201.367	182	255.719	219	310.071		
35	39.780	72	94.132	109	148.484	146	202.836	183	257.188	220	311.540		
36	41.249	73	95.601	110	149.953	147	204.305	184	258.657	221	313.008		
37	42.718	74	97.070	111	151.422	148	205.774	185	260.126	222	314.477		

09/27/71
1 INSTALLATION DATE MAY 7,1961
PRESS O2 TANK 3
CAL RANGE 51.2713 TO 1000.44

SC-113

HARDWARE CALIB. NO. 82226 02 00 00
SERIAL NO. 06553H5D0105

=21515



EQUATION COEFFICIENTS

A_0= 1.751 E 01
A_1= 2.137 E 02

AL DEV= 0
MAX DEV / RANGE = 0

0% = 1.751E 01
20% = 2.312E 02
40% = 4.449E 02
50% = 5.517E 02
60% = 6.585E 02
80% = 8.722E 02
100% = 1.086E 03

MEASUREMENT NO.
200SC0053P02

MEAS LOADING NO.
195012 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS 02 TANK 3

MEASUREMENT NO. 200SC0053P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06553H500105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/07/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	17.519	38	173.758	75	330.006	112	486.254	149	642.502	186	798.750	223	954.999
2	21.733	39	177.981	76	334.229	113	490.477	150	646.725	187	802.973	224	959.222
3	25.956	40	182.204	77	338.452	114	494.700	151	650.948	188	807.196	225	963.445
4	30.179	41	186.427	78	342.675	115	498.923	152	655.171	189	811.419	226	967.667
5	34.402	42	190.650	79	346.898	116	503.146	153	659.394	190	815.642	227	971.890
6	38.625	43	194.873	80	351.121	117	507.369	154	663.617	191	819.865	228	976.113
7	42.847	44	199.096	81	355.344	118	511.592	155	667.840	192	824.088	229	980.336
8	47.070	45	203.318	82	359.567	119	515.815	156	672.063	193	828.311	230	984.559
9	51.293	46	207.541	83	363.790	120	520.038	157	676.286	194	832.534	231	988.782
10	55.516	47	211.764	84	368.012	121	524.261	158	680.509	195	836.757	232	993.005
11	59.739	48	215.987	85	372.235	122	528.483	159	684.732	196	840.980	233	997.228
12	63.962	49	220.210	86	376.458	123	532.706	160	688.955	197	845.203	234	1001.451
13	68.185	50	224.433	87	380.681	124	536.929	161	693,177	198	849.426	235	1005.674
14	72.408	51	228.656	88	384.904	125	541.152	162	697.400	199	853.648	236	1009.897
15	76.631	52	232.879	89	389.127	126	545.375	163	701.623	200	857.871	237	1014.120
16	80.854	53	237.102	90	393.350	127	549.598	164	705.846	201	862.094	238	1018.343
17	85.077	54	241.325	91	397.573	128	553.821	165	710.069	202	866,317	239	1022.566
18	89.300	55	245.548	92	401.796	129	558.044	166	714.292	203	870.540	240	1026.788
19	93.523	56	249.771	93	406.019	130	562.267	167	718.515	204	874.763	241	1031.011
20	97.745	57	253.994	94	410.242	131	566.490	168	722.738	205	878.986	242	1035.234
21	101.968	58	258.216	95	414.465	132	570.713	169	726.961	206	883.209	243	1039.457
22	106.191	59	262.439	96	418.687	133	574.936	170	731.184	207	887.432	244	1043.680
23	110.414	60	266.662	97	422.910	134	579.159	171	735.407	208	891.655	245	1047.903
24	114.637	61	270.885	98	427.133	135	583.381	172	739.630	209	895.878	246	1052.126
25	118.860	62	275.108	99	431.356	136	587.604	173	743.852	210	900.101	247	1056.349
26	123.083	63	279.331	100	435.579	137	591.827	174	748.075	211	904.324	248	1060.572
27	127.306	64	283.554	101	439.802	138	596.050	175	752.298	212	908.546	249	1064.795
28	131.529	65	287.777	102	444.025	139	600.273	176	756.521	213	912.769	250	1069.018
29	135.752	66	292.000	103	448.248	140	604.496	177	760.744	214	916.992	251	1073.241
30	139.975	67	296 223	104	452.471	141	608.719	178	764,967	215	921.215	252	1077.464
31	144.198	68	300.446	105	456.694	142	612.942	179	769.190	216	925.438	253	1081.687
32	148.420	69	304.669	106	460.917	143	617.165	180	773.413	217	929.661	254	1085.909
33	152.643	70	308.892	107	465.140	144	621.388	181	777.636	218	933.884		
34	156.866	71	313.114	108	469.363	145	625.611	182	781.859	219	938.107		
35	161.089	72	317.337	109	473.585	146	629.834	183	786.082	220	942.330		
36	165.312	73	321.560	110	477.808	147	634.057	184	790.305	221	946.553		
37	169.535	74	325.783	111	482.031	148	638.279	185	794.528	222	950.776		

TABLE FOR MEASUREMENT 200SC0054TD1 WAS NOT POSSIBLE.

TABLE FOR MEASUREMENT 200SC0054TD1 WAS NOT POSSIBLE.

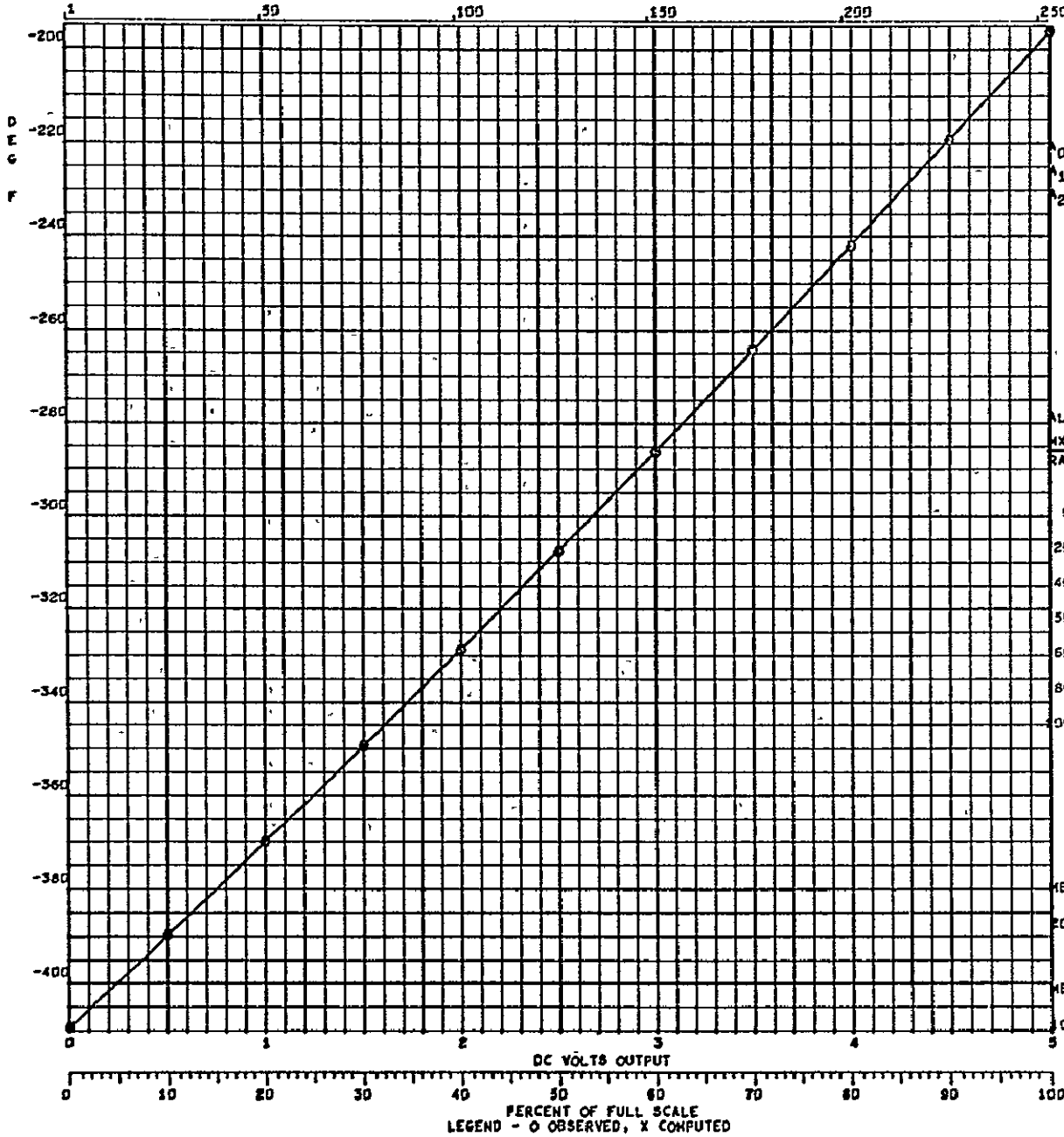
09/27/71
2 INSTALLATION DATE MAY 7,1961
TEMP H2 TANK 3
CAL RANGE -409.264 TO-196.036

SC-113

HARDWARE CALIB. NO.
78746 01
79009 01
00

SERIAL NO.
10024HTA0035
10024HAR0046
S NE NHE PRETEMP E

=21515



EQUATION COEFFICIENTS

A_0= -4.093 E 02
A_1= 3.895 E 01
A_2= 7.388 E-01

AL DEV= .07654
MX DEV / RANGE = .00035

0% =-4.093E 02
20% =-3.696E 02
40% =-3.284E 02
50% =-3.073E 02
60% =-2.858E 02
80% =-2.417E 02
100% =-1.961E 02

MEASUREMENT NO.
200SC0054T02

MEAS LOADING NO.
939116 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP H2 TANK 3

MEASUREMENT NO. 200SC0054T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024HTA0033
SIGNAL CONDITIONER SERIAL NO. 10024HAR0046
AUXILIARY COMPONENT SERIAL NO. B HE MHE FRETEMP E
CALIBRATION DATE 05/07/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-409.264	38	-380.390	75	-350.725	112	-320.271	149	-289.026	186	-256.991	223	-224.166
2	-408.494	39	-379.598	76	-349.913	113	-319.437	150	-288.170	187	-256.114	224	-223.268
3	-407.724	40	-378.807	77	-349.099	114	-318.602	151	-287.314	188	-255.237	225	-222.369
4	-406.953	41	-378.014	78	-348.285	115	-317.767	152	-286.458	189	-254.359	226	-221.470
5	-406.181	42	-377.221	79	-347.471	116	-316.931	153	-285.601	190	-253.481	227	-220.570
6	-405.409	43	-376.427	80	-346.656	117	-316.095	154	-284.743	191	-252.602	228	-219.670
7	-404.636	44	-375.633	81	-345.840	118	-315.258	155	-283.885	192	-251.722	229	-218.769
8	-403.862	45	-374.838	82	-345.024	119	-314.420	156	-283.026	193	-250.842	230	-217.867
9	-403.088	46	-374.043	83	-344.207	120	-313.582	157	-282.166	194	-249.961	231	-216.965
10	-402.313	47	-373.247	84	-343.390	121	-312.743	158	-281.306	195	-249.079	232	-216 062
11	-401.538	48	-372.450	85	-342.572	122	-311.904	159	-280.445	196	-248.197	233	-215.159
12	-400.763	49	-371.653	86	-341.754	123	-311.064	160	-279.585	197	-247.315	234	-214.255
13	-399.986	50	-370.855	87	-340.935	124	-310.224	161	-278.723	198	-246.432	235	-213.351
14	-399.209	51	-370.057	88	-340.115	125	-309.383	162	-277.860	199	-245.548	236	-212.446
15	-398.432	52	-369.258	89	-339.295	126	-308.541	163	-276.998	200	-244.664	237	-211.540
16	-397.654	53	-368.459	90	-338.474	127	-307.699	164	-276.134	201	-243.779	238	-210.634
17	-396.875	54	-367.659	91	-337.653	128	-306.856	165	-275.270	202	-242.894	239	-209.727
18	-396.096	55	-366.858	92	-336.831	129	-306.013	166	-274.405	203	-242.008	240	-208.820
19	-395.316	56	-366.057	93	-336.008	130	-305.169	167	-273.540	204	-241.121	241	-207.912
20	-394.536	57	-365.255	94	-335.185	131	-304.325	168	-272.674	205	-240.234	242	-207.003
21	-393.755	58	-364.453	95	-334.361	132	-303.480	169	-271.808	206	-239.346	243	-206.094
22	-392.973	59	-363.650	96	-333.537	133	-302.634	170	-270.941	207	-238.458	244	-205.184
23	-392.191	60	-362.847	97	-332.712	134	-301.788	171	-270.073	208	-237.569	245	-204.274
24	-391.408	61	-362.043	98	-331.887	135	-300.941	172	-269.205	209	-236.679	246	-203.363
25	-390.625	62	-361.238	99	-331.061	136	-300.094	173	-268.337	210	-235.789	247	-202.452
26	-389.841	63	-360.433	100	-330.234	137	-299.246	174	-267.467	211	-234.899	248	-201.540
27	-389.057	64	-359.627	101	-329.407	138	-298.397	175	-266.598	212	-234.008	249	-200.628
28	-388.272	65	-358.821	102	-328.579	139	-297.548	176	-265.727	213	-233.116	250	-199.714
29	-387.486	66	-358.014	103	-327.751	140	-296.699	177	-264.856	214	-232.223	251	-198.801
30	-386.700	67	-357.206	104	-326.922	141	-295.848	178	-263.985	215	-231.331	252	-197.886
31	-385.913	68	-356.398	105	-326.093	142	-294.998	179	-263.112	216	-230.437	253	-196.972
32	-385.126	69	-355.589	106	-325.263	143	-294.146	180	-262.240	217	-229.543	254	-196.056
33	-384.338	70	-354.780	107	-324.432	144	-293.294	181	-261.366	218	-228.648		
34	-383.549	71	-353.970	108	-323.601	145	-292.442	182	-260.492	219	-227.753		
35	-382.760	72	-353.160	109	-322.769	146	-291.589	183	-259.618	220	-226.857		
36	-381.971	73	-352.349	110	-321.937	147	-290.735	184	-258.743	221	-225.961		
37	-381.181	74	-351.537	111	-321.104	148	-289.881	185	-257.867	222	-225.064		

09/27/71

INSTALLATION DATE MAY 7,1961

TEMP O2 TANK 3

CAL RANGE -326.615 TO 79.6939

SC-113

HARDWARE CALIB. NO.

78742 01

78740 01

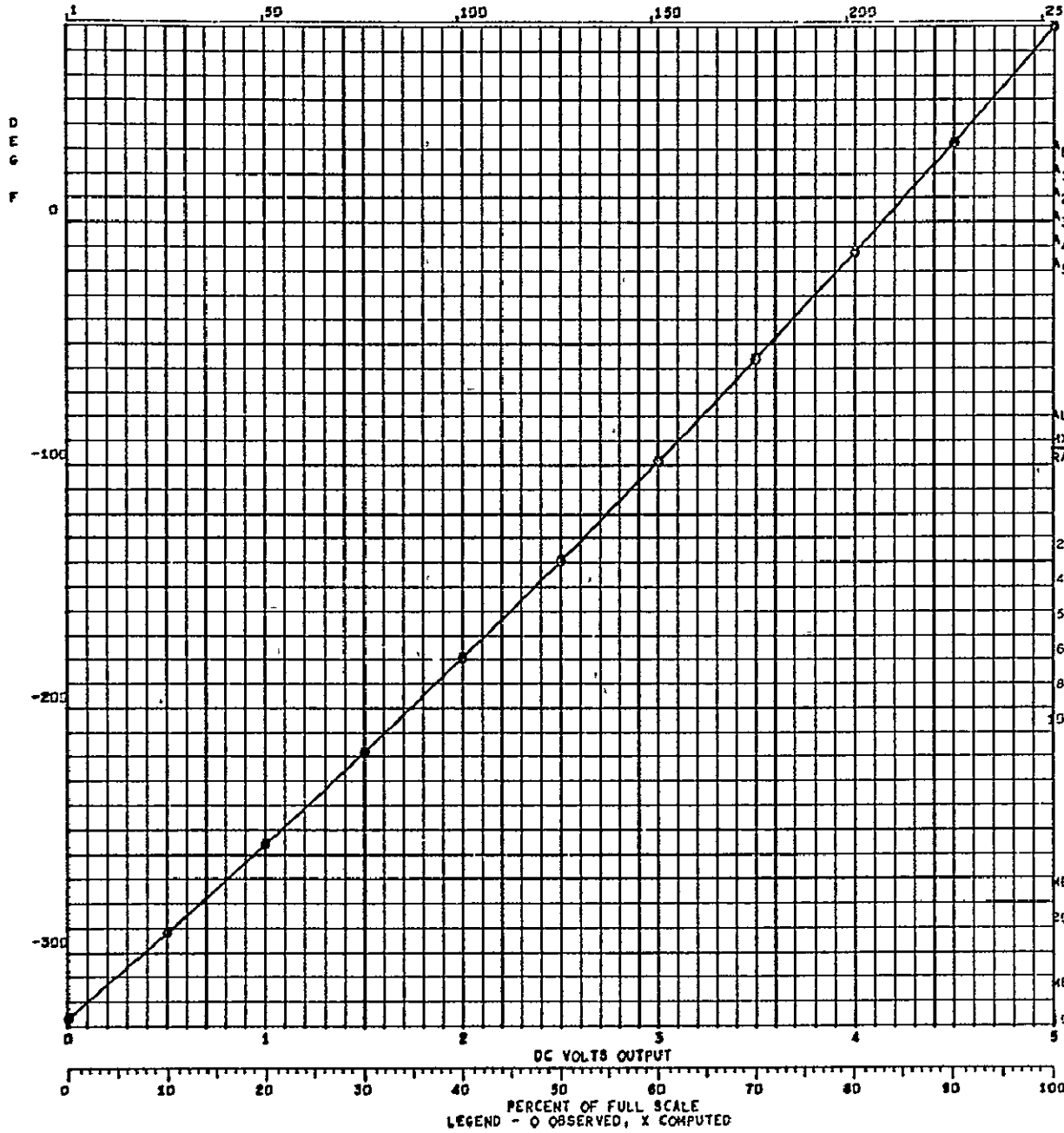
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SERIAL NO.

10024XTA0034

10024XAR0024

=21515



EQUATION COEFFICIENTS

A_0= -3.266 E 02

A_1= 6.870 E 01

A_2= 2.443 E 00

A_3= 1.285 E-01

A_4= -5.609 E-02

A_5= 6.697 E-03

AL DEV= 0

4X DEV = 0

RANGE

0% =-3.266E 02

20% =-2.554E 02

40% =-1 791E 02

50% =-1.391E 02

60% =-9.797E 01

80% =-1.200E 01

100% = 7 989E 01

MEASUREMENT NO.

200SC0055T01

MEAS LOADING NO.

028116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP OF TANK 3

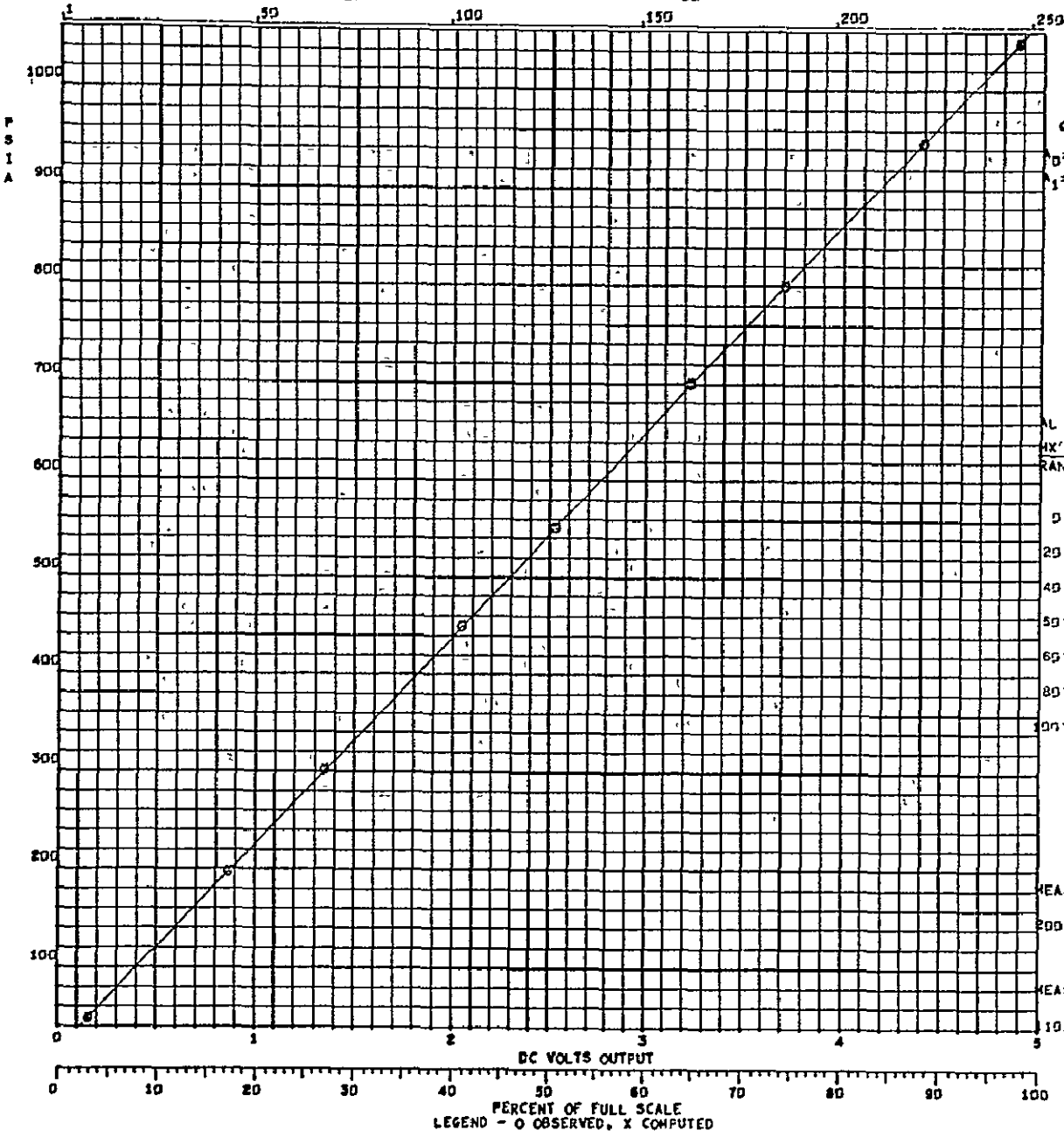
MEASUREMENT NO. 203SC0055T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XTA0034
SIGNAL CONDITIONER SERIAL NO. 10024XAR0024
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/07/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-326.615	38	-275.038	75	-220.730	112	-163.755	149	-104.230	186	-42.150	223	22.777
2	-325 257	39	-273.606	76	-219.224	113	-162.180	150	-102.586	187	-40.435	224	24.577
3	-323.896	40	-272.173	77	-217.717	114	-160.602	151	-100.941	188	-38.717	225	26.380
4	-322.534	41	-270.737	78	-216.208	115	-159.025	152	-99.293	189	-36.998	226	28.185
5	-321.169	42	-269.299	79	-214.697	116	-157.442	153	-97.644	190	-35.277	227	29.993
6	-319.803	43	-267.859	80	-213.183	117	-155.859	154	-95.993	191	-33.553	228	31.804
7	-318.435	44	-266.417	81	-211.668	118	-154.274	155	-94.340	192	-31.828	229	33.617
8	-317.064	45	-264.973	82	-210.151	119	-152.687	156	-92.685	193	-30.100	230	35.433
9	-315.692	46	-263.527	83	-208.632	120	-151.098	157	-91.028	194	-28.370	231	37.252
10	-314.318	47	-262.079	84	-207.112	121	-149.508	158	-89.370	195	-26.638	232	39.073
11	-312.942	48	-260.629	85	-205.589	122	-147.916	159	-87.709	196	-24.904	233	40.898
12	-311.564	49	-259.178	86	-204.064	123	-146.322	160	-86.047	197	-23.168	234	42.725
13	-310.184	50	-257.724	87	-202.537	124	-144.726	161	-84.383	198	-21.430	235	44.555
14	-308.802	51	-256.268	88	-201.009	125	-143.128	162	-82.717	199	-19.689	236	46.387
15	-307.418	52	-254.810	89	-199.478	126	-141.528	163	-81.049	200	-17.946	237	48.223
16	-306.032	53	-253.350	90	-197.946	127	-139.927	164	-79.379	201	-16.201	238	50.061
17	-304.644	54	-251.888	91	-196.412	128	-138.325	165	-77.707	202	-14.454	239	51.903
18	-303 254	55	-250.424	92	-194.876	129	-136.718	166	-76.033	203	-12.704	240	53.747
19	-301.863	56	-248.958	93	-193.337	130	-135.111	167	-74.357	204	-10.953	241	55.595
20	-300.469	57	-247.490	94	-191.797	131	-133.503	168	-72.680	205	-9.199	242	57.445
21	-299.073	58	-246.020	95	-190.256	132	-131.892	169	-71.000	206	-7.443	243	59.299
22	-297.675	59	-244.548	96	-188.712	133	-130.279	170	-69.319	207	-5.684	244	61.155
23	-296.275	60	-243.075	97	-187.166	134	-128.665	171	-67.636	208	-3.923	245	63.015
24	-294.874	61	-241.599	98	-185.619	135	-127.049	172	-65.950	209	-2.160	246	64.877
25	-293.470	62	-240.121	99	-184.069	136	-125.431	173	-64.263	210	-0.394	247	66.743
26	-292.064	63	-238.641	100	-182.518	137	-123.811	174	-62.574	211	1.373	248	68.612
27	-290.656	64	-237.159	101	-180.964	138	-122.190	175	-60.883	212	3.144	249	70.484
28	-289.246	65	-235.676	102	-179.409	139	-120.566	176	-59.190	213	4.916	250	72.360
29	-287.835	66	-234.190	103	-177.852	140	-118.941	177	-57.495	214	6.691	251	74.238
30	-286.421	67	-232.702	104	-176.294	141	-117.314	178	-55.798	215	8.469	252	76.120
31	-285.005	68	-231.212	105	-174.733	142	-115.685	179	-54.099	216	10.249	253	78.006
32	-283.587	69	-229.721	106	-173.170	143	-114.054	180	-52.398	217	12.031	254	79.894
33	-282.167	70	-228.227	107	-171.606	144	-112.421	181	-50.695	218	13.816		
34	-280.746	71	-226.732	108	-170.039	145	-110.787	182	-48.990	219	15.603		
35	-279.322	72	-225.234	109	-168.471	146	-109.150	183	-47.283	220	17.393		
36	-277.896	73	-223.735	110	-166.901	147	-107.512	184	-45.574	221	19.185		
37	-276.468	74	-222.233	111	-165.329	148	-105.872	185	-43.863	222	20.980		

09/27/71
1 INSTALLATION DATE MAY 20,1961
PRESS 02 TK 2 AND 3 MANIF
CAL RANGE 47.9479 TO 1049.20

SC-113

HARDWARE CALIB. NO. 78858 01 00 00
SERIAL NO. 06553E339106
#21515



EQUATION COEFFICIENTS

A_0 = 1.616 E 01
A_1 = 2.119 E 02

AL DEV= 0
MX' DEV / RANGE = 0

0% = 1.616E 01
20% = 2.281E 02
40% = 4.409E 02
50% = 5.459E 02
60% = 6 519E 02
80% = 8.638E 02
100% = 1.076E 03

MEASUREMENT NO.
200SC0069P01

MEAS LOADING NO.
102944 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS O2 TK 2 AND 3 MANIF

MEASUREMENT NO. 2005C0069PD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06553E339106
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/23/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	16.162	38	171.112	75	326.063	112	481.013	149	635.963	186	790.913	223	945.864
2	20.350	39	175.300	76	330.251	113	485.201	150	640.151	187	795.101	224	950.052
3	24.538	40	179.488	77	334.438	114	489.389	151	644.339	188	799.289	225	954.240
4	28.726	41	183.676	78	338.626	115	493.576	152	648.527	189	803.477	226	958.427
5	32.914	42	187.864	79	342.814	116	497.764	153	652.715	190	807.665	227	962.615
6	37.101	43	192.052	80	347.002	117	501.952	154	656.902	191	811.853	228	966.803
7	41.289	44	196.239	81	351.190	118	506.140	155	661.090	192	816.041	229	970.991
8	45.477	45	200.427	82	355.378	119	510.328	156	665.278	193	820.228	230	975.179
9	49.665	46	204.615	83	359.565	120	514.516	157	669.466	194	824.416	231	979.367
10	53.853	47	208.803	84	363.753	121	518.704	158	673.654	195	828.604	232	983.554
11	58.041	48	212.991	85	367.941	122	522.891	159	677.842	196	832.792	233	987.742
12	62.228	49	217.179	86	372.129	123	527.079	160	682.029	197	836.980	234	991.930
13	66.416	50	221.367	87	376.317	124	531.267	161	686.217	198	841.168	235	996.118
14	70.604	51	225.554	88	380.505	125	535.455	162	690.405	199	845.355	236	1000.306
15	74.792	52	229.742	89	384.693	126	539.643	163	694.593	200	849.543	237	1004.494
16	78.980	53	233.930	90	388.880	127	543.831	164	698.781	201	853.731	238	1008.682
17	83.168	54	238.118	91	393.068	128	548.018	165	702.969	202	857.919	239	1012.869
18	87.356	55	242.306	92	397.256	129	552.206	166	707.157	203	862.107	240	1017.057
19	91.543	56	246.494	93	401.444	130	556.394	167	711.344	204	866.295	241	1021.245
20	95.731	57	250.681	94	405.632	131	560.582	168	715.532	205	870.483	242	1025.433
21	99.919	58	254.869	95	409.820	132	564.770	169	719.720	206	874.670	243	1029.621
22	104.107	59	259.057	96	414.007	133	568.958	170	723.908	207	878.858	244	1033.809
23	108.295	60	263.245	97	418.195	134	573.146	171	728.096	208	883.046	245	1037.997
24	112.483	61	267.433	98	422.383	135	577.333	172	732.284	209	887.234	246	1042.184
25	116.670	62	271.621	99	426.571	136	581.521	173	736.471	210	891.422	247	1046.372
26	120 858	63	275.809	100	430.759	137	585.709	174	740.659	211	895.610	248	1050.560
27	125.046	64	279.996	101	434.947	138	589.897	175	744.847	212	899.797	249	1054.748
28	129 234	65	284.184	102	439.134	139	594.085	176	749.035	213	903.985	250	1058.936
29	133.422	66	288.372	103	443.322	140	598.273	177	753.223	214	908.173	251	1063.124
30	137.610	67	292.560	104	447.510	141	602.460	178	757.411	215	912.361	252	1067.312
31	141.798	68	296.748	105	451.698	142	606.648	179	761.599	216	916.549	253	1071.499
32	145.985	69	300.936	106	455.886	143	610.836	180	765.786	217	920.737	254	1075.687
33	150.173	70	305.123	107	460.074	144	615.024	181	769.974	218	924.925		
34	154.361	71	309.311	108	464.262	145	619.212	182	774.162	219	929.112		
35	158.549	72	313.499	109	468.449	146	623.400	183	778.350	220	933.300		
36	162.737	73	317.687	110	472.637	147	627.588	184	782.538	221	937.488		
37	166.925	74	321.875	111	476.825	148	631.775	185	786.726	222	941.676		

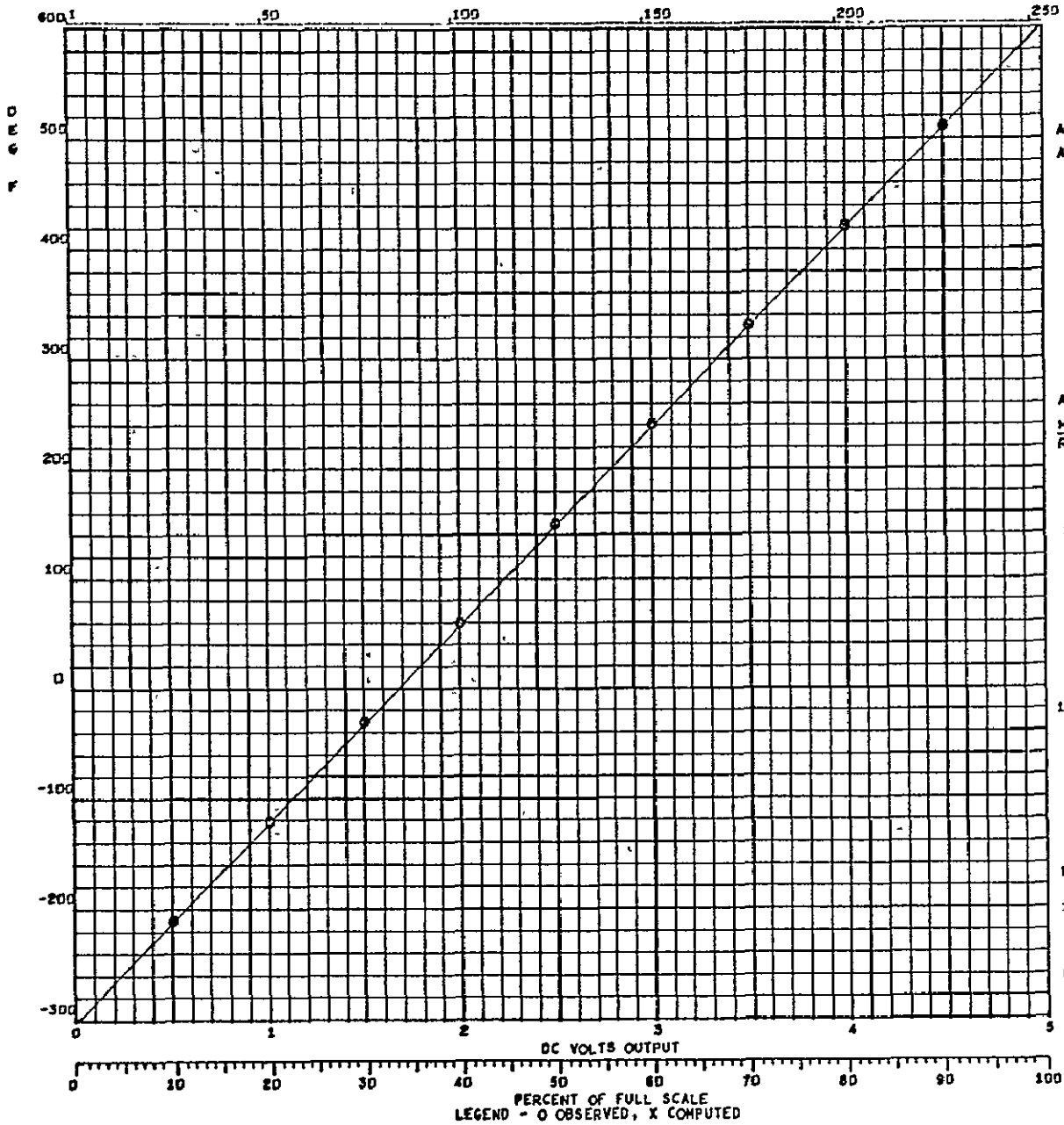
09/27/71
1 INSTALLATION DATE MAY 20,1961
TEMP O2 TK 1 HEATERS
CAL RANGE -301.636 TO 602.457

SC-113

HARDWARE CALIB. NO.
78681 01
78682 01
00

SERIAL NO.
10024XTA0026
10024XAR0027

#21515



EQUATION COEFFICIENTS

A_0= -3.016 E 02
A_1= 1.808 E 02

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -3.016E 02
20% = -1.208E 02
40% = 6.000E 01
50% = 1.504E 02
60% = 2.408E 02
80% = 4.216E 02
100% = 6.025E 02

MEASUREMENT NO.
200SC0070T01

MEAS LOADING NO.
1936116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP O2 TK 1 HEATERS

MEASUREMENT NO. 200SC007OT01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XTA0026
SIGNAL CONDITIONER SERIAL NO. 10024XAR0027
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/20/81

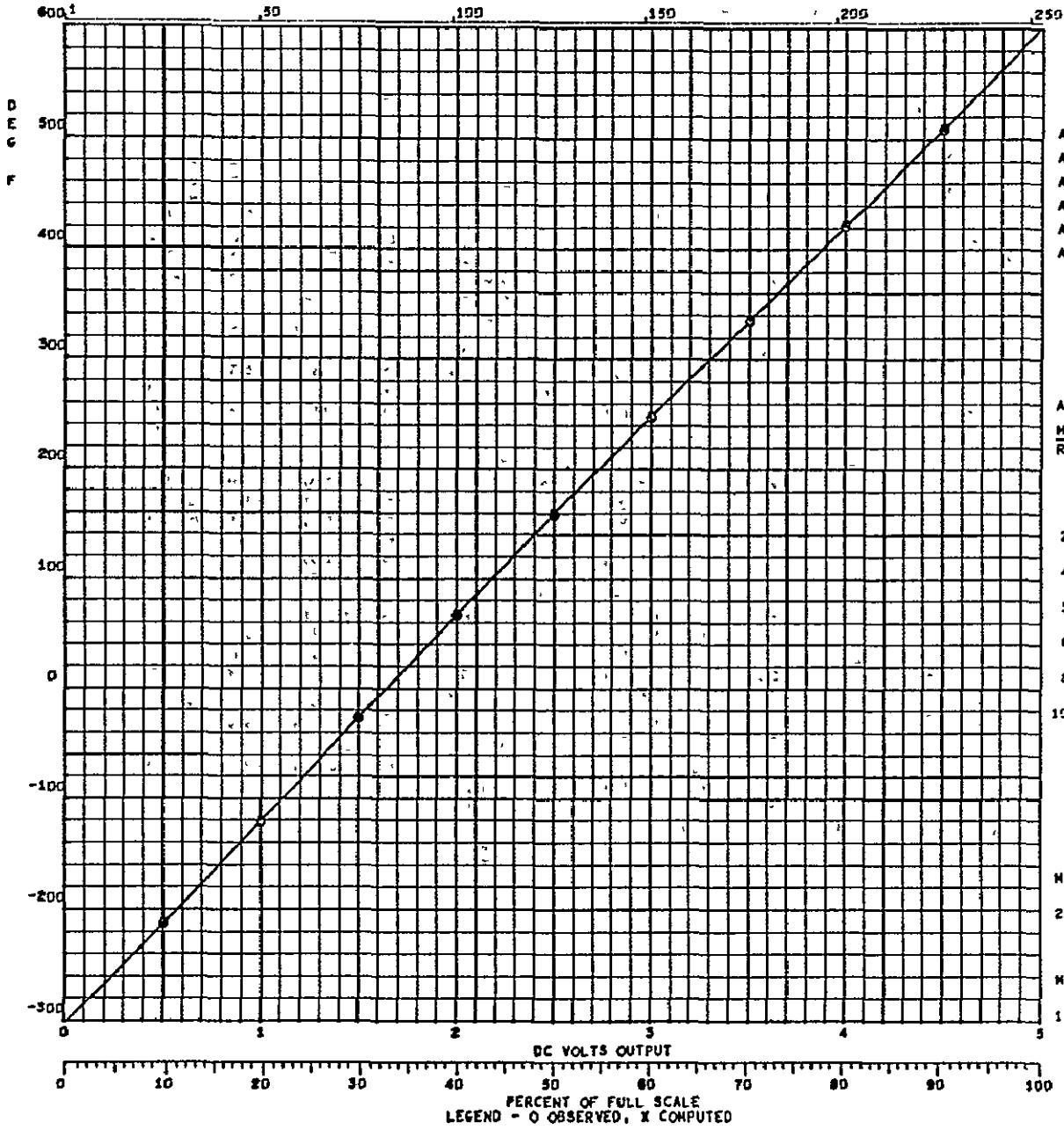
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-301.636	38	-169.417	75	-37.198	112	95.021	149	227.240	186	359.460	223	491.679
2	-298.063	39	-165.844	76	-33.624	113	98.595	150	230.814	187	363.035	224	495.253
3	-294.489	40	-162.270	77	-30.051	114	102.168	151	234.387	188	366.607	225	498.826
4	-290.916	41	-158.697	78	-26.478	115	105.742	152	237.961	189	370.180	226	502.400
5	-287.343	42	-155.123	79	-22.904	116	109.315	153	241.534	190	373.754	227	505.973
6	-283.769	43	-151.550	80	-19.331	117	112.889	154	245.108	191	377.327	228	509.547
7	-280.196	44	-147.976	81	-15.757	118	116.462	155	248.681	192	380.901	229	513.120
8	-276.622	45	-144.403	82	-12.184	119	120.036	156	252.255	193	384.474	230	516.694
9	-273.049	46	-140.829	83	-8.610	120	123.609	157	255.828	194	388.048	231	520.267
10	-269.475	47	-137.256	84	-5.037	121	127.183	158	259.402	195	391.621	232	523.841
11	-265.902	48	-133.682	85	-1.463	122	130.756	159	262.975	196	395.195	233	527.414
12	-262.328	49	-130.109	86	2.110	123	134.330	160	266.549	197	398.768	234	530.988
13	-258.755	50	-126.535	87	5.684	124	137.903	161	270.122	198	402.342	235	534.561
14	-255.181	51	-122.962	88	9.257	125	141.477	162	273.696	199	405.915	236	538.135
15	-251 608	52	-119.388	89	12.831	126	145.050	163	277.269	200	409.489	237	541.708
16	-248.034	53	-115.815	90	16.404	127	148.624	164	280.843	201	413.062	238	545.282
17	-244.461	54	-112.241	91	19.978	128	152,197	165	284.416	202	416,636	239	548.855
18	-240.887	55	-108.668	92	23.551	129	155.771	166	287.990	203	420.209	240	552.429
19	-237.314	56	-105.094	93	27.125	130	159.344	167	291.563	204	423.783	241	556.002
20	-233.740	57	-101.521	94	30.698	131	162.918	168	295.137	205	427.356	242	559.576
21	-230.167	58	-97.947	95	34.272	132	166.491	169	298.710	206	430.930	243	563.149
22	-226.593	59	-94.374	96	37.845	133	170.065	170	302.284	207	434.503	244	566.723
23	-223.020	60	-90.800	97	41.419	134	173.638	171	305.857	208	438.077	245	570.296
24	-219.446	61	-87.227	98	44.992	135	177.212	172	309.431	209	441.650	246	573.870
25	-215.873	62	-83.653	99	48.566	136	180.785	173	313.004	210	445.224	247	577.443
26	-212.299	63	-80.080	100	52.139	137	184.359	174	316.578	211	448.797	248	581.017
27	-208.726	64	-76.506	101	55.713	138	187.932	175	320.151	212	452.371	249	584.590
28	-205.152	65	-72.933	102	59.286	139	191.506	176	323.725	213	455.944	250	588.164
29	-201.579	66	-69.359	103	62.860	140	195.079	177	327.298	214	459.518	251	591.737
30	-198.005	67	-65.786	104	66.433	141	198.653	178	330.872	215	463 091	252	595.311
31	-194.432	68	-62.212	105	70.007	142	202.226	179	334.445	216	466.665	253	598 884
32	-190.858	69	-58.639	106	73.580	143	205.800	180	338.019	217	470.238	254	602.457
33	-187.285	70	-55.065	107	77.154	144	209.373	181	341.592	218	473.812		
34	-183.711	71	-51.492	108	80.727	145	212.947	182	345.166	219	477.385		
35	-180.138	72	-47.918	109	84.301	146	216.520	183	348.739	220	480.959		
36	-176.564	73	-44.345	110	87.874	147	220.093	184	352.313	221	484.532		
37	-172.991	74	-40.771	111	91.448	148	223.667	185	355.886	222	488.106		

09/27/71
5 INSTALLATION DATE MAY 20,1961
TEMP O2 TK 2 HEATERS
CAL RANGE -301.521 TO 601.645

SC-113

HARDWARE CALIB. NO. SERIAL NO.
78883 01 10024XTA0035
78884 01 10024XAR0033
00

#21515



EQUATION COEFFICIENTS

A_0= -3.015 E 02
A_1= 1.711 E 02
A_2= 1.408 E 01
A_3= -4.461 E 00
A_4= 3.130 E-01
A_5= 1.840 E-02

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = -3.015E 02
20% = -1.204E 02
40% = 6.792E 01
50% = 1.587E 02
60% = 2.481E 02
80% = 4.219E 02
100% = 6.018E 02

MEASUREMENT NO.
200SC0071T01

MEAS LOADING NO.
1003116 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP O2 TK 2 HEATERS

MEASUREMENT NO. 200SC0071T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XTA0035
SIGNAL CONDITIONER SERIAL NO. 10024XAR0033
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/20/61

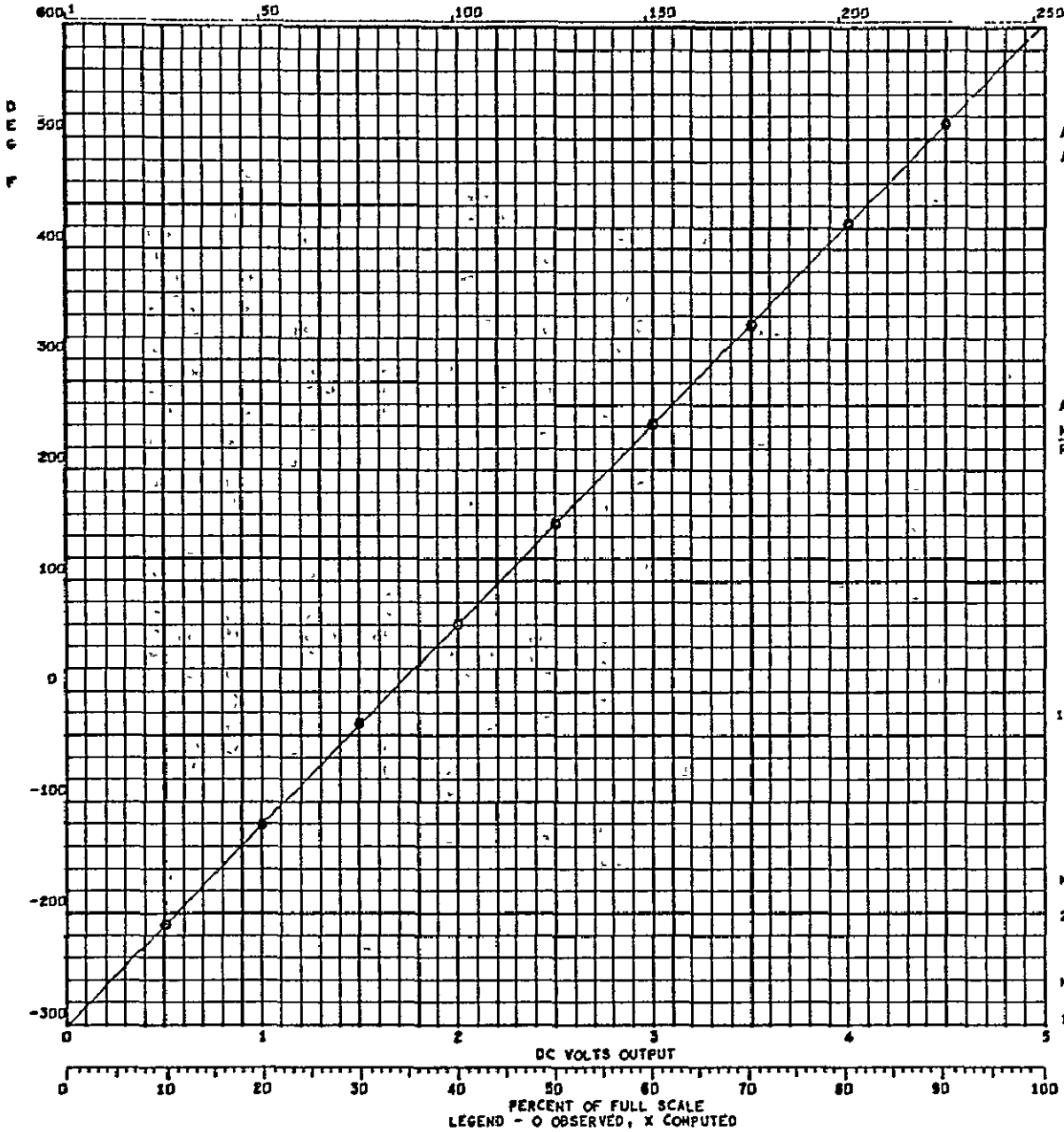
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-301.521	38	-170.496	75	-33.505	112	102.785	149	234.780	186	362.416	223	489.626
2	-298.134	39	-166.836	76	-29.789	113	106.418	150	238.278	187	365.832	224	493.126
3	-294.735	40	-163.171	77	-26.073	114	110.047	151	241.773	188	369.248	225	496.632
4	-291.326	41	-159.503	78	-22.359	115	113.673	152	245.265	189	372.663	226	500.143
5	-287.906	42	-155.831	79	-18.645	116	117.295	153	248.754	190	376.079	227	503.661
6	-284.477	43	-152.156	80	-14.933	117	120.913	154	252.239	191	379.494	228	507.185
7	-281.037	44	-148.477	81	-11.222	118	124.528	155	255.721	192	382.909	229	510.716
8	-277.587	45	-144.795	82	-7.512	119	128.140	156	259.200	193	386.324	230	514.254
9	-274.128	46	-141.110	83	-3.804	120	131.748	157	262.675	194	389.740	231	517.799
10	-270.660	47	-137.421	84	-0.097	121	135.353	158	266.148	195	393.156	232	521.351
11	-267.182	48	-133.730	85	3.609	122	138.953	159	269.618	196	396.573	233	524.911
12	-263.696	49	-130.037	86	7.313	123	142.551	160	273.084	197	399.990	234	528.478
13	-260.200	50	-126.340	87	11.015	124	146.144	161	276.548	198	403.409	235	532.053
14	-256.696	51	-122.642	88	14.715	125	149.734	162	280.009	199	406.828	236	535.637
15	-253.184	52	-118.941	89	18.413	126	153.320	163	283.467	200	410.249	237	539.229
16	-249.663	53	-115.238	90	22.110	127	156.902	164	286.922	201	413.670	238	542.830
17	-246.134	54	-111.533	91	25.804	128	160.481	165	290.375	202	417.094	239	546.440
18	-242.598	55	-107.826	92	29.496	129	164.056	166	293.825	203	420.519	240	550.059
19	-239.053	56	-104.118	93	33.186	130	167.627	167	297.273	204	423.946	241	553.687
20	-235.502	57	-100.408	94	36.875	131	171.195	168	300.718	205	427.374	242	557.326
21	-231.943	58	-96.696	95	40.559	132	174.759	169	304.161	206	430.805	243	560.974
22	-228.376	59	-92.983	96	44.242	133	178.319	170	307.602	207	434.238	244	564.633
23	-224.803	60	-89.270	97	47.922	134	181.875	171	311.040	208	437.674	245	568.302
24	-221.224	61	-85.555	98	51.600	135	185.428	172	314.477	209	441.112	246	571.982
25	-217.637	62	-81.839	99	55.275	136	188.977	173	317.911	210	444.553	247	575.673
26	-214.044	63	-78.122	100	58.947	137	192.522	174	321.343	211	447.997	248	579.376
27	-210.445	64	-74.405	101	62.617	138	196.063	175	324.774	212	451.444	249	583.090
28	-206.840	65	-70.687	102	66.284	139	199.601	176	328.203	213	454.895	250	586.816
29	-203.230	66	-66.969	103	69.948	140	203.135	177	331.630	214	458.349	251	590.555
30	-199.613	67	-63.250	104	73.609	141	206.666	178	335.055	215	461.807	252	594.305
31	-195.991	68	-59.531	105	77.267	142	210.192	179	338.479	216	465.268	253	598.069
32	-192.363	69	-55.813	106	80.922	143	213.716	180	341.902	217	468.734	254	601.846
33	-188.731	70	-52.094	107	84.574	144	217.235	181	345.324	218	472.204		
34	-185.093	71	-48.375	108	88.223	145	220.751	182	348.744	219	475.679		
35	-181.451	72	-44.657	109	91.868	146	224.264	183	352.163	220	479.158		
36	-177.804	73	-40.939	110	95.511	147	227.772	184	355.581	221	482.642		
37	-174.152	74	-37.222	111	99.150	148	231.278	185	358.999	222	486.131		

09/27/71
1 INSTALLATION DATE MAY 7,1961
TEMP O2 TK 3 HEATERS
CAL RANGE -301.540 TO 604.933

SC-113

HARDWARE CALIB. NO. SERIAL NO.
78743 01 10024XTA0034
78741 01 10024XAR0024
00

=21515



EQUATION COEFFICIENTS

A_0= -3.015 E 02
A_1= 1.813 E 02

AL DEV= 0
MX DEV / RANGE = 0

0% =-3.015E 02
20% =-1.202E 02
40% = 6.105E 01
50% = 1.517E 02
60% = 2.423E 02
80% = 4.236E 02
100% = 6.049E 02

MEASUREMENT NO.
200SC0072T01

MEAS LOADING NO.
1045116 12, 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP O2 TK 3 HEATERS

MEASUREMENT NO. 2015C0072T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10024XTA0034
SIGNAL CONDITIONER SERIAL NO. 10024XAR0024
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/07/61

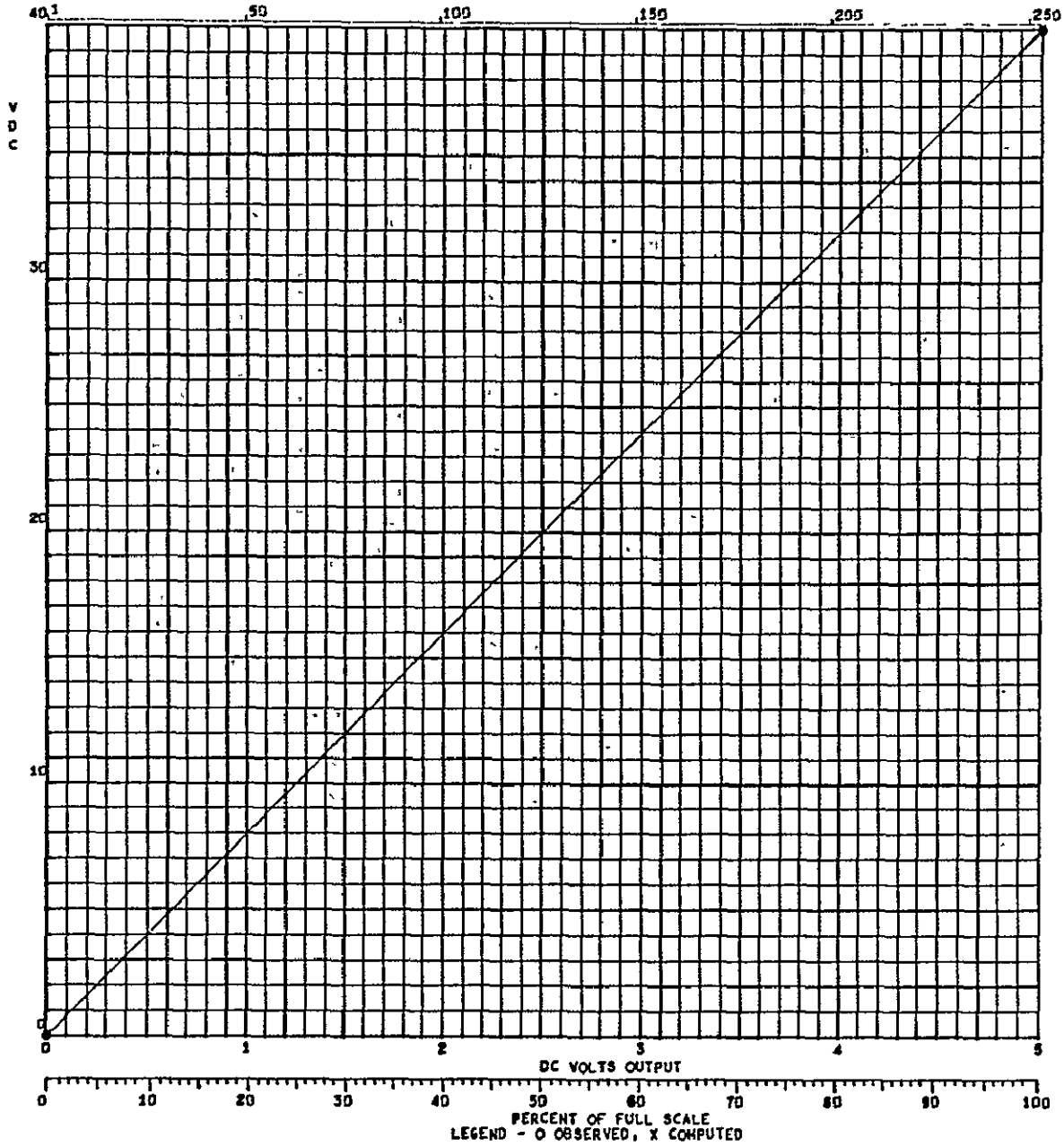
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-301.540	38	-168.973	75	-36.406	112	96.162	149	228.729	186	361.296	223	493.863
2	-297.957	39	-165.390	76	-32.823	113	99.745	150	232.312	187	364.879	224	497.446
3	-294.374	40	-161.807	77	-29.240	114	103.327	151	235.895	188	368.462	225	501.029
4	-290.791	41	-158.224	78	-25.657	115	106.910	152	239.477	189	372.045	226	504.612
5	-287.208	42	-154.641	79	-22.074	116	110.493	153	243.060	190	375.628	227	508.195
6	-283.625	43	-151.058	80	-18.491	117	114.076	154	246.643	191	379.210	228	511.778
7	-280.042	44	-147.475	81	-14.908	118	117.659	155	250.226	192	382.793	229	515.361
8	-276.460	45	-143.892	82	-11.325	119	121.242	156	253.809	193	386.376	230	518.943
9	-272.877	46	-140.309	83	-7.742	120	124.825	157	257.392	194	389.959	231	522.526
10	-269.294	47	-136.727	84	-4.159	121	128.408	158	260.975	195	393.542	232	526.109
11	-265.711	48	-133.144	85	-0.577	122	131.991	159	264.558	196	397.125	233	529.692
12	-262.128	49	-129.561	86	3.006	123	135.573	160	268.141	197	400.708	234	533.275
13	-258.545	50	-125.978	87	6.589	124	139.156	161	271.724	198	404.291	235	536.858
14	-254.962	51	-122.395	88	10.172	125	142.739	162	275.306	199	407.874	236	540.441
15	-251.379	52	-118.812	89	13.755	126	146.322	163	278.889	200	411.456	237	544.024
16	-247.796	53	-115.229	90	17.338	127	149.905	164	282.472	201	415.039	238	547.607
17	-244.213	54	-111.646	91	20.921	128	153.488	165	286.055	202	418.622	239	551.190
18	-240.631	55	-108.063	92	24.504	129	157.071	166	289.638	203	422.205	240	554.772
19	-237.048	56	-104.481	93	28.087	130	160.654	167	293.221	204	425.788	241	558.355
20	-233.465	57	-100.898	94	31.670	131	164.237	168	296.804	205	429.371	242	561.938
21	-229.882	58	-97.315	95	35.252	132	167.820	169	300.387	206	432.954	243	565.521
22	-226.299	59	-93.732	96	38.835	133	171.402	170	303.970	207	436.537	244	569.104
23	-222.716	60	-90.149	97	42.418	134	174.985	171	307.552	208	440.120	245	572.687
24	-219.133	61	-86.566	98	46.001	135	178.568	172	311.135	209	443.703	246	576.270
25	-215.550	62	-82.983	99	49.584	136	182.151	173	314.718	210	447.285	247	579.853
26	-211.967	63	-79.400	100	53.167	137	185.734	174	318.301	211	450.868	248	583.436
27	-208.384	64	-75.817	101	56.750	138	189.317	175	321.884	212	454.451	249	587.019
28	-204.802	65	-72.234	102	60.333	139	192.900	176	325.467	213	458.034	250	590.601
29	-201.219	66	-68.652	103	63.916	140	196.483	177	329.050	214	461.617	251	594.184
30	-197.636	67	-65.069	104	67.498	141	200.066	178	332.633	215	465.200	252	597.767
31	-194.053	68	-61.486	105	71.081	142	203.649	179	336.216	216	468.783	253	601.350
32	-190.470	69	-57.903	106	74.664	143	207.231	180	339.799	217	472.366	254	604.933
33	-186.887	70	-54.320	107	78.247	144	210.814	181	343.381	218	475.949		
34	-183.304	71	-50.737	108	81.830	145	214.397	182	346.964	219	479.532		
35	-179.721	72	-47.154	109	85.413	146	217.980	183	350.547	220	483.114		
36	-176.138	73	-43.571	110	88.996	147	221.563	184	354.130	221	486.697		
37	-172.556	74	-39.988	111	92.579	148	225.146	185	357.713	222	490.280		

09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC VOLTAGE SH BATTERY
CAL RANGE 0 TO 40.0000

SC-113

HARDWARE CALIB. NO. 78770 01 00 00
SERIAL NO. 063590415BJA

=21515



EQUATION COEFFICIENTS

A_0= 0.
A_1= 8.000 E 00

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = 0.
20% = 8.000E 00
40% = 1.600E 01
50% = 2.000E 01
60% = 2.400E 01
80% = 3.200E 01
100% = 4.000E 01

MEASUREMENT NO.
200SC023DV01

MEAS LOADING NO.
1105025 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

DC VOLTAGE ON BATTERY

MEASUREMENT NO. 2005C0230V01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0635904158JA
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

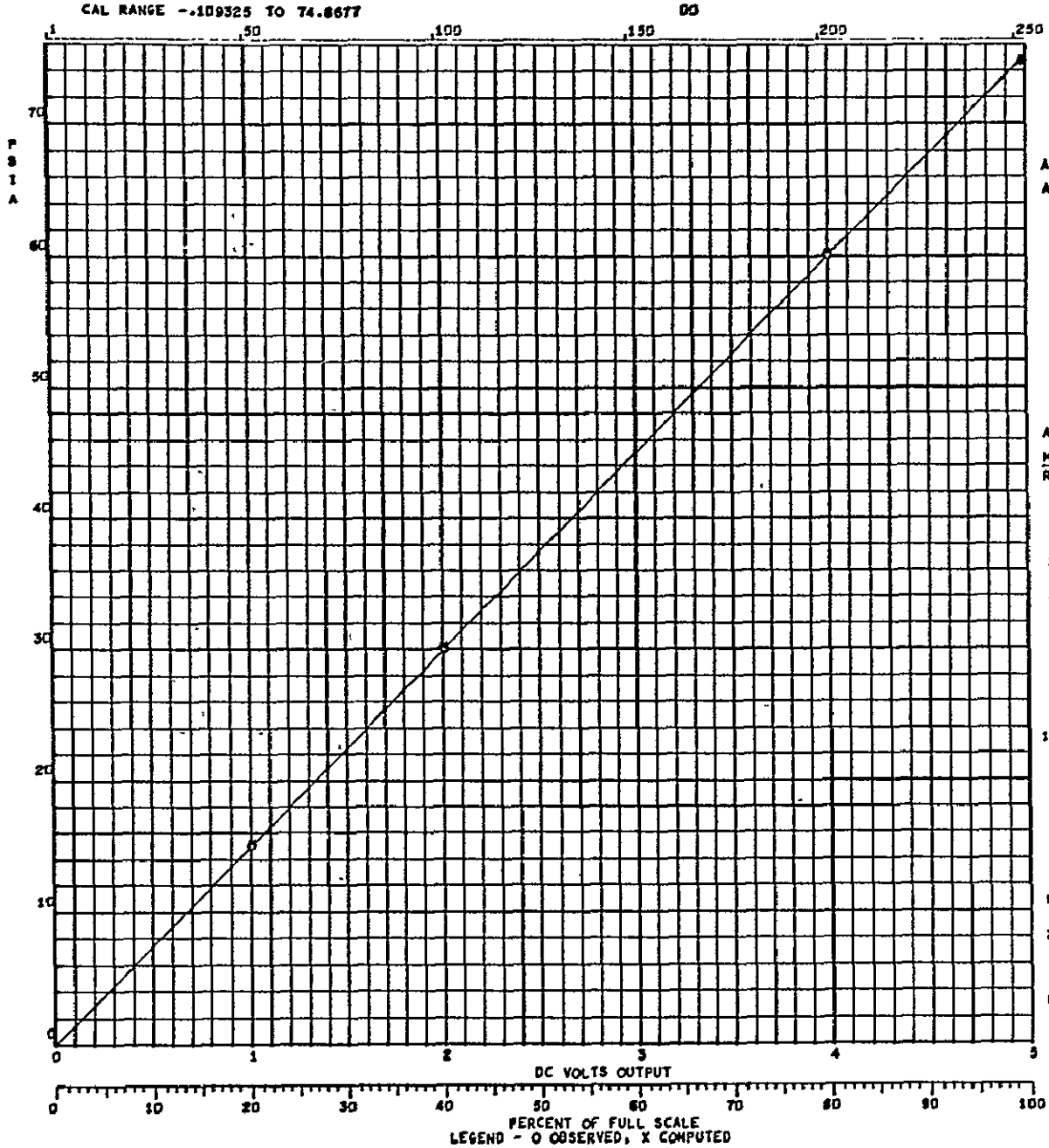
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.	38	5.830	75	11.700	112	17.549	149	23.399	186	29.249	223	35.099
2	0.158	39	6.008	76	11.858	113	17.708	150	23.557	187	29.407	224	35.257
3	0.316	40	6.166	77	12.016	114	17.866	151	23.715	188	29.565	225	35.415
4	0.474	41	6.324	78	12.174	115	18.024	152	23.874	189	29.723	226	35.573
5	0.632	42	6.482	79	12.332	116	18.182	153	24.032	190	29.881	227	35.731
6	0.791	43	6.640	80	12.490	117	18.340	154	24.190	191	30.040	228	35.889
7	0.949	44	6.798	81	12.648	118	18.498	155	24.348	192	30.198	229	36.047
8	1.107	45	6.957	82	12.806	119	18.656	156	24.506	193	30.356	230	36.206
9	1.265	46	7.115	83	12.964	120	18.814	157	24.664	194	30.514	231	36.364
10	1.423	47	7.273	84	13.123	121	18.972	158	24.822	195	30.672	232	36.522
11	1.581	48	7.431	85	13.281	122	19.130	159	24.980	196	30.830	233	36.680
12	1.739	49	7.589	86	13.439	123	19.289	160	25.138	197	30.988	234	36.838
13	1.897	50	7.747	87	13.597	124	19.447	161	25.296	198	31.146	235	36.996
14	2.055	51	7.905	88	13.755	125	19.605	162	25.455	199	31.304	236	37.154
15	2.213	52	8.063	89	13.913	126	19.763	163	25.613	200	31.462	237	37.312
16	2.372	53	8.221	90	14.071	127	19.921	164	25.771	201	31.621	238	37.470
17	2.530	54	8.379	91	14.229	128	20.079	165	25.929	202	31.779	239	37.628
18	2.688	55	8.538	92	14.387	129	20.237	166	26.087	203	31.937	240	37.787
19	2.846	56	8.696	93	14.545	130	20.395	167	26.245	204	32.095	241	37.945
20	3.004	57	8.854	94	14.704	131	20.553	168	26.403	205	32.253	242	38.103
21	3.162	58	9.012	95	14.862	132	20.711	169	26.561	206	32.411	243	38.261
22	3.320	59	9.170	96	15.020	133	20.870	170	26.719	207	32.569	244	38.419
23	3.478	60	9.328	97	15.178	134	21.028	171	26.877	208	32.727	245	38.577
24	3.636	61	9.486	98	15.336	135	21.186	172	27.036	209	32.885	246	38.735
25	3.794	62	9.644	99	15.494	136	21.344	173	27.194	210	33.043	247	38.893
26	3.953	63	9.802	100	15.652	137	21.502	174	27.352	211	33.202	248	39.051
27	4.111	64	9.960	101	15.810	138	21.660	175	27.510	212	33.360	249	39.209
28	4.269	65	10.119	102	15.968	139	21.818	176	27.668	213	33.518	250	39.368
29	4.427	66	10.277	103	16.126	140	21.976	177	27.826	214	33.676	251	39.526
30	4.585	67	10.435	104	16.285	141	22.134	178	27.984	215	33.834	252	39.684
31	4.743	68	10.593	105	16.443	142	22.292	179	28.142	216	33.992	253	39.842
32	4.901	69	10.751	106	16.601	143	22.451	180	28.300	217	34.150	254	40.000
33	5.059	70	10.909	107	16.759	144	22.609	181	28.458	218	34.308		
34	5.217	71	11.067	108	16.917	145	22.767	182	28.617	219	34.466		
35	5.375	72	11.225	109	17.075	146	22.925	183	28.775	220	34.625		
36	5.534	73	11.383	110	17.233	147	23.083	184	28.933	221	34.783		
37	5.692	74	11.542	111	17.391	148	23.241	185	29.091	222	34.941		

09/27/71
1 INSTALLATION DATE FEB. 10.1961
02 PRESSURE FC 1 REGULATED
CAL RANGE -.109325 TO 74.8677

SC-113

HARDWARE CALIB. NO. 80428 01 00 00
SERIAL NO. 06763P650755

*21515



EQUATION COEFFICIENTS
A_0= -3.412 E-02
A_1= 1.504 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-3.412E-02
20% = 1.501E 01
40% = 3.005E 01
50% = 3.757E 01
60% = 4.509E 01
80% = 6.013E 01
100% = 7.517E 01

MEASUREMENT NO.
200SC2066F01

MEAS LOADING NO.
1102196 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

OX PRESSURE FC 1 REGULATED

MEASUREMENT NO. 2005C2066F01
VEHICLE SC-113
TRANSDUCER SERIAL NO. D6763F650755
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/10/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-0.034	38	10.964	75	21.962	112	32.960	149	43.958	186	54.956	223	65.954
2	0.263	39	11.261	76	22.259	113	33.257	150	44.255	187	55.253	224	66.251
3	0.560	40	11.558	77	22.556	114	33.554	151	44.552	188	55.550	225	66.549
4	0.858	41	11.856	78	22.854	115	33.852	152	44.850	189	55.848	226	66.846
5	1.155	42	12.153	79	23.151	116	34.149	153	45.147	190	56.145	227	67.143
6	1.452	43	12.450	80	23.448	117	34.446	154	45.444	191	56.442	228	67.440
7	1.749	44	12.747	81	23.745	118	34.743	155	45.741	192	56.739	229	67.737
8	2.047	45	13.045	82	24.043	119	35.041	156	46.039	193	57.037	230	68.035
9	2.344	46	13.342	83	24.340	120	35.338	157	46.336	194	57.334	231	68.332
10	2.641	47	13.639	84	24.637	121	35.635	158	46.633	195	57.631	232	68.629
11	2.938	48	13.936	85	24.934	122	35.932	159	46.930	196	57.928	233	68.926
12	3.236	49	14.234	86	25.232	123	36.230	160	47.228	197	58.226	234	69.224
13	3.533	50	14.531	87	25.529	124	36.527	161	47.525	198	58.523	235	69.521
14	3.830	51	14.828	88	25.826	125	36.824	162	47.822	199	58.820	236	69.818
15	4.127	52	15.125	89	26.123	126	37.121	163	48.119	200	59.117	237	70.115
16	4.425	53	15.423	90	26.421	127	37.419	164	48.417	201	59.415	238	70.413
17	4.722	54	15.720	91	26.718	128	37.716	165	48.714	202	59.712	239	70.710
18	5.019	55	16.017	92	27.015	129	38.013	166	49.011	203	60.009	240	71.007
19	5.316	56	16.314	93	27.312	130	38.310	167	49.308	204	60.306	241	71.304
20	5.614	57	16.612	94	27.610	131	38.608	168	49.606	205	60.604	242	71.602
21	5.911	58	16.909	95	27.907	132	38.905	169	49.903	206	60.901	243	71.899
22	6.208	59	17.206	96	28.204	133	39.202	170	50.200	207	61.198	244	72.196
23	6.505	60	17.503	97	28.501	134	39.499	171	50.497	208	61.495	245	72.493
24	6.802	61	17.801	98	28.799	135	39.797	172	50.795	209	61.793	246	72.791
25	7.100	62	18.098	99	29.096	136	40.094	173	51.092	210	62.090	247	73.088
26	7.397	63	18.395	100	29.393	137	40.391	174	51.389	211	62.387	248	73.385
27	7.694	64	18.692	101	29.690	138	40.688	175	51.686	212	62.684	249	73.682
28	7.991	65	18.989	102	29.988	139	40.986	176	51.984	213	62.982	250	73.980
29	8.289	66	19.287	103	30.285	140	41.283	177	52.281	214	63.279	251	74.277
30	8.586	67	19.584	104	30.582	141	41.580	178	52.578	215	63.576	252	74.574
31	8.883	68	19.881	105	30.879	142	41.877	179	52.875	216	63.873	253	74.871
32	9.180	69	20.178	106	31.176	143	42.174	180	53.173	217	64.171	254	75.169
33	9.478	70	20.476	107	31.474	144	42.472	181	53.470	218	64.468		
34	9.775	71	20.773	108	31.771	145	42.769	182	53.767	219	64.765		
35	10.072	72	21.070	109	32.068	146	43.066	183	54.064	220	65.062		
36	10.369	73	21.367	110	32.365	147	43.363	184	54.361	221	65.360		
37	10.667	74	21.665	111	32.663	148	43.661	185	54.659	222	65.657		

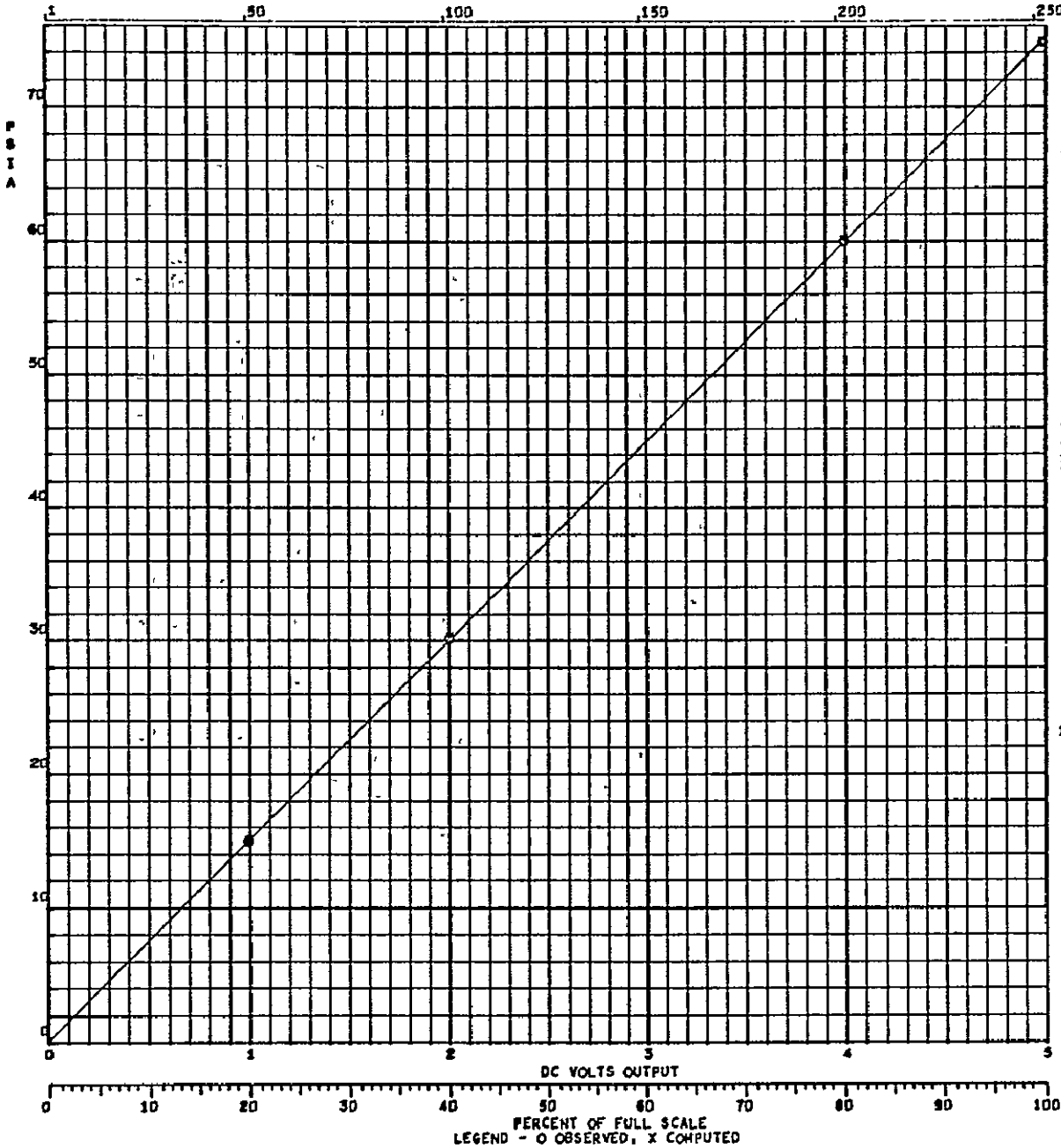
09/27/71
1 INSTALLATION DATE FEB. 5,1961
02 PRESSURE FC 2 REGULATED
CAL RANGE -.115226 TO 74.6748

SC-113

HARDWARE CALIB. NO. 81676 01 00 00

SERIAL NO. 06763P650756

#21515



EQUATION COEFFICIENTS

A_0= 1.847 E-01

A_1= 1.500 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 1.847E-01

20% = 1.518E 01

40% = 3.018E 01

50% = 3.768E 01

60% = 4.518E 01

80% = 6.018E 01

100% = 7.517E 01

MEASUREMENT NO.

2005C2067P01

MEAS LOADING NO.

1192113 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QE PRESSURE FC 2 REGULATED

MEASUREMENT NO. 2003C2067P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763P650756
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/05/61

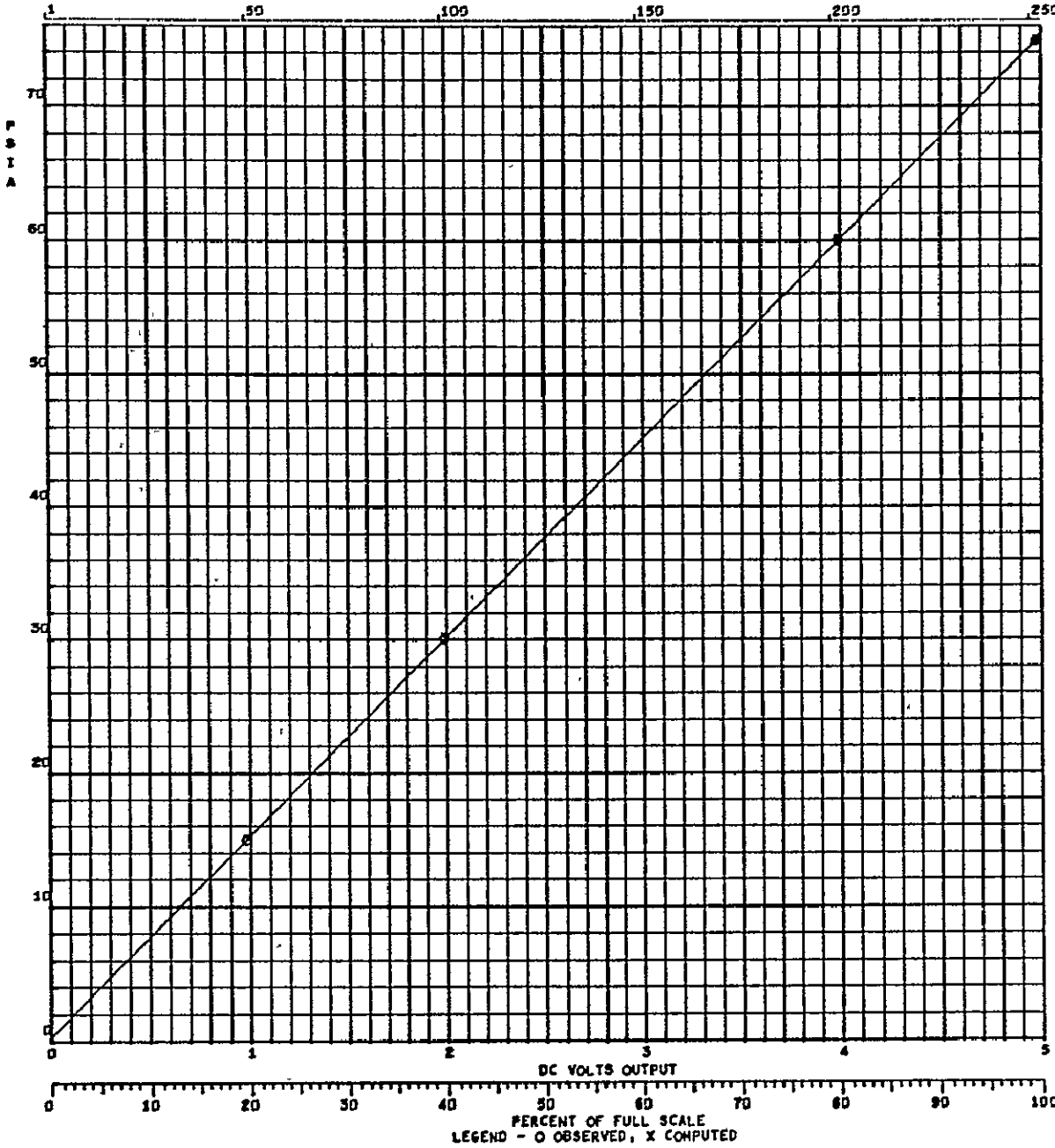
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.185	38	11.152	75	22.119	112	33.086	149	44.052	186	55.019	223	65.986
2	0.481	39	11.448	76	22.415	113	33.382	150	44.349	187	55.316	224	66.283
3	0.778	40	11.744	77	22.711	114	33.678	151	44.645	188	55.612	225	66.579
4	1.074	41	12.041	78	23.008	115	33.975	152	44.942	189	55.909	226	66.876
5	1.370	42	12.337	79	23.304	116	34.271	153	45.238	190	56.205	227	67.172
6	1.667	43	12.634	80	23.601	117	34.568	154	45.534	191	56.501	228	67.468
7	1.963	44	12.930	81	23.897	118	34.864	155	45,831	192	56.798	229	67.765
8	2.260	45	13.226	82	24.193	119	35.160	156	46.127	193	57.094	230	68.061
9	2.556	46	13.523	83	24.490	120	35.457	157	46,424	194	57.391	231	68.358
10	2.852	47	13.819	84	24.786	121	35.753	158	46.720	195	57.687	232	68.654
11	3.149	48	14.116	85	25.083	122	36.050	159	47.016	196	57.983	233	68.950
12	3.445	49	14.412	86	25.379	123	36.346	160	47.313	197	58.280	234	69.247
13	3.742	50	14.709	87	25.675	124	36.642	161	47.609	198	58.576	235	69.543
14	4.038	51	15.005	88	25.972	125	36.939	162	47.906	199	58.873	236	69.840
15	4.334	52	15.301	89	26.268	126	37.235	163	48.202	200	59.169	237	70.136
16	4.631	53	15.598	90	26.565	127	37.532	164	48.499	201	59.465	238	70.432
17	4.927	54	15.894	91	26.861	128	37.828	165	48.795	202	59.762	239	70.729
18	5.224	55	16.191	92	27.157	129	38.124	166	49.091	203	60.058	240	71.025
19	5.520	56	16.487	93	27.454	130	38.421	167	49.388	204	60.355	241	71.322
20	5.816	57	16.783	94	27.750	131	38.717	168	49.684	205	60.651	242	71,618
21	6.113	58	17.080	95	28.047	132	39.014	169	49.981	206	60.947	243	71.914
22	6.409	59	17.376	96	28.343	133	39.310	170	50.277	207	61.244	244	72.211
23	6.706	60	17.673	97	28.639	134	39.606	171	50.573	208	61.540	245	72.507
24	7.002	61	17.969	98	28.936	135	39.903	172	50.870	209	61.837	246	72,804
25	7.298	62	18.265	99	29.232	136	40.199	173	51.166	210	62.133	247	73.100
26	7.595	63	18.562	100	29.529	137	40.496	174	51.463	211	62.429	248	73.396
27	7.891	64	18.858	101	29.825	138	40.792	175	51.759	212	62.726	249	73.693
28	8.188	65	19.155	102	30.121	139	41.088	176	52.055	213	63.022	250	73.989
29	8.484	66	19.451	103	30.418	140	41.385	177	52.352	214	63.319	251	74.286
30	8.780	67	19.747	104	30.714	141	41.681	178	52.648	215	63.615	252	74.582
31	9.077	68	20.044	105	31.011	142	41.978	179	52.945	216	63.911	253	74.878
32	9.373	69	20.340	106	31.307	143	42.274	180	53.241	217	64.208	254	75.175
33	9.670	70	20.637	107	31.604	144	42.570	181	53.537	218	64.504		
34	9.966	71	20.933	108	31.900	145	42.867	182	53.834	219	64.801		
35	10.262	72	21.229	109	32.196	146	43.163	183	54.130	220	65.097		
36	10.559	73	21.526	110	32.493	147	43.460	184	54.427	221	65.394		
37	10.855	74	21.822	111	32.789	148	43.756	185	54.723	222	65.690		

09/27/71
1 INSTALLATION DATE FEB. 6,1961
O2 PRESSURE FC 3 REGULATED
CAL RANGE -.081415 TO 74.9054

SC-113

HARDWARE CALIB. NO. 8168D 01 00 00
SERIAL NO. 06763P650758

=21515



EQUATION COEFFICIENTS

A_0= 3.581 E-01
A_1= 1.498 E 01

AL DEV= 0
$\frac{MX-DEV}{RANGE}$ = 0

0% = 3.581E-01
20% = 1.534E 01
40% = 3.033E 01
50% = 3.782E 01
60% = 4 531E 01
80% = 6.030E 01
100% = 7.528E 01

MEASUREMENT NO.
200SC2068P01

MEAS LOADING NO.
1102121 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

OX PRESSURE FC 3 REGULATED

MEASUREMENT NO. 2005C2068P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763P650758
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/06/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.358	38	11.315	75	22.272	112	33.229	149	44.186	186	55.143	223	66.100
2	0.654	39	11.611	76	22.568	113	33.525	150	44.482	187	55.439	224	66.396
3	0.950	40	11.907	77	22.864	114	33.821	151	44.778	188	55.735	225	66.692
4	1.247	41	12.204	78	23.160	115	34.117	152	45.074	189	56.031	226	66.988
5	1.543	42	12.500	79	23.457	116	34.414	153	45.371	190	56.327	227	67.284
6	1.839	43	12.796	80	23.753	117	34.710	154	45.667	191	56.624	228	67.581
7	2.135	44	13.092	81	24.049	118	35.006	155	45.963	192	56.920	229	67.877
8	2.431	45	13.388	82	24.345	119	35.302	156	46.259	193	57.216	230	68.173
9	2.727	46	13.684	83	24.641	120	35.598	157	46.555	194	57.512	231	68.469
10	3.023	47	13.980	84	24.937	121	35.894	158	46.851	195	57.808	232	68.765
11	3.319	48	14.276	85	25.233	122	36.190	159	47.147	196	58.104	233	69.061
12	3.616	49	14.573	86	25.530	123	36.486	160	47.443	197	58.400	234	69.357
13	3.912	50	14.869	87	25.826	124	36.783	161	47.740	198	58.697	235	69.654
14	4.208	51	15.165	88	26.122	125	37.079	162	48.036	199	58.993	236	69.950
15	4.504	52	15.461	89	26.418	126	37.375	163	48.332	200	59.289	237	70.246
16	4.800	53	15.757	90	26.714	127	37.671	164	48.628	201	59.585	238	70.542
17	5.096	54	16.053	91	27.010	128	37.967	165	48.924	202	59.881	239	70.838
18	5.392	55	16.349	92	27.306	129	38.263	166	49.220	203	60.177	240	71.134
19	5.689	56	16.646	93	27.602	130	38.559	167	49.516	204	60.473	241	71.430
20	5.985	57	16.942	94	27.899	131	38.856	168	49.813	205	60.769	242	71.726
21	6.281	58	17.238	95	28.195	132	39.152	169	50.109	206	61.066	243	72.023
22	6.577	59	17.534	96	28.491	133	39.448	170	50.405	207	61.362	244	72.319
23	6.873	60	17.830	97	28.787	134	39.744	171	50.701	208	61.658	245	72.615
24	7.169	61	18.126	98	29.083	135	40.040	172	50.997	209	61.954	246	72.911
25	7.465	62	18.422	99	29.379	136	40.336	173	51.293	210	62.250	247	73.207
26	7.761	63	18.718	100	29.675	137	40.632	174	51.589	211	62.546	248	73.503
27	8.058	64	19.015	101	29.972	138	40.929	175	51.885	212	62.842	249	73.799
28	8.354	65	19.311	102	30.268	139	41.225	176	52.182	213	63.139	250	74.096
29	8.650	66	19.607	103	30.564	140	41.521	177	52.478	214	63.435	251	74.392
30	8.946	67	19.903	104	30.860	141	41.817	178	52.774	215	63.731	252	74.688
31	9.242	68	20.199	105	31.156	142	42.113	179	53.070	216	64.027	253	74.984
32	9.538	69	20.495	106	31.452	143	42.409	180	53.366	217	64.323	254	75.280
33	9.834	70	20.791	107	31.748	144	42.705	181	53.662	218	64.619		
34	10.131	71	21.088	108	32.044	145	43.001	182	53.958	219	64.915		
35	10.427	72	21.384	109	32.341	146	43.298	183	54.255	220	65.212		
36	10.723	73	21.680	110	32.637	147	43.594	184	54.551	221	65.508		
37	11.019	74	21.976	111	32.933	148	43.890	185	54.847	222	65.804		

09/27/71

1 INSTALLATION DATE FEB. 10,1961

H2 PRESSURE FC 1 REGULATED

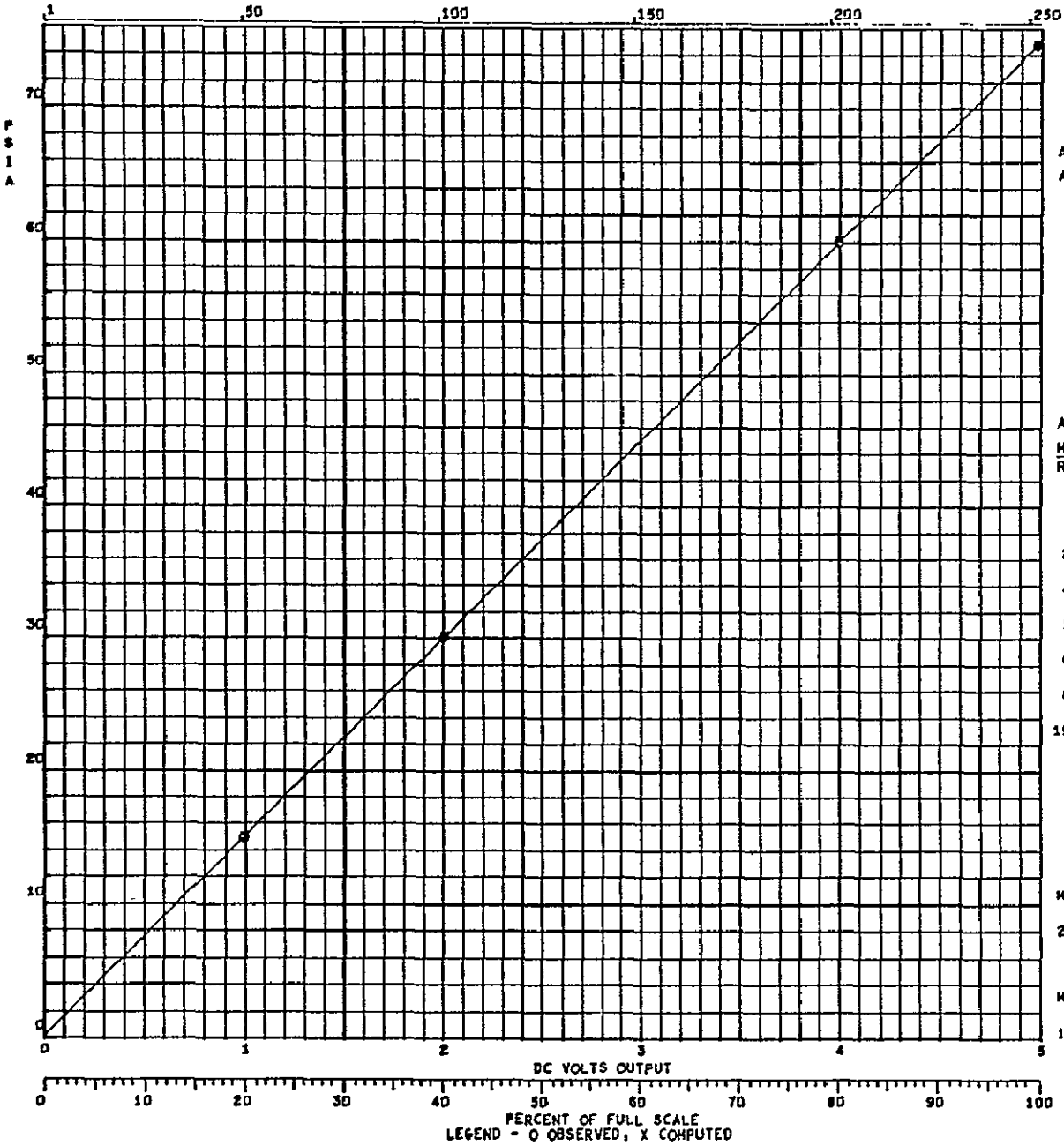
CAL RANGE -.090951 TO 74.8603

SC-113

HARDWARE CALIB. NO. 80429 01 00 00

SERIAL NO. 08763P650755

=21515



EQUATION COEFFICIENTS

A_0= 1.493 E-01

A_1= 1.501 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0 % = 1.493E-01

20 % = 1.516E 01

40 % = 3.018E 01

50 % = 3.768E 01

60 % = 4.519E 01

80 % = 6.020E 01

100 % = 7.521E 01

MEASUREMENT NO.

200SC2069P01

MEAS LOADING NO.

1102122 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE PRESSURE FC 1 REGULATED

MEASUREMENT NO. 2005C2069P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763F650755
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/10/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.149	38	11.127	75	22.105	112	33.083	149	44.060	186	55.038	223	66.016
2	0.446	39	11.424	76	22.402	113	33.379	150	44.357	187	55.335	224	66.313
3	0.743	40	11.720	77	22.698	114	33.676	151	44.654	188	55.632	225	66.609
4	1.039	41	12.017	78	22.995	115	33.973	152	44.951	189	55.928	226	66.906
5	1.336	42	12.314	79	23.292	116	34.269	153	45.247	190	56.225	227	67.203
6	1.633	43	12.611	80	23.588	117	34.566	154	45.544	191	56.522	228	67.500
7	1.929	44	12.907	81	23.885	118	34.863	155	45.841	192	56 818	229	67.796
8	2.226	45	13.204	82	24.182	119	35.160	156	46.137	193	57.115	230	68.093
9	2.523	46	13.501	83	24.478	120	35.456	157	46.434	194	57.412	231	68.390
10	2.820	47	13.797	84	24.775	121	35.753	158	46.731	195	57.708	232	68.686
11	3.116	48	14 094	85	25.072	122	36.050	159	47.027	196	58.005	233	68.983
12	3.413	49	14.391	86	25.369	123	36.346	160	47.324	197	58.302	234	69.280
13	3.710	50	14.687	87	25.665	124	36.643	161	47.621	198	58.599	235	69.576
14	4.006	51	14.984	88	25.962	125	36.940	162	47.917	199	58.895	236	69.873
15	4.303	52	15.281	89	26.259	126	37.236	163	48.214	200	59.192	237	70.170
16	4.600	53	15.578	90	26.555	127	37.533	164	48.511	201	59.489	238	70.466
17	4.896	54	15.874	91	26.852	128	37.830	165	48.808	202	59.785	239	70.763
18	5.193	55	16.171	92	27.149	129	38.126	166	49.104	203	60.082	240	71.060
19	5.490	56	16.468	93	27.445	130	38.423	167	49.401	204	60.379	241	71.357
20	5.786	57	16.764	94	27.742	131	38.720	168	49.698	205	60.675	242	71.653
21	6.083	58	17.061	95	28.039	132	39.017	169	49.994	206	60.972	243	71.950
22	6.380	59	17.358	96	28.335	133	39.313	170	50.291	207	61.269	244	72.247
23	6.677	60	17.654	97	28.632	134	39.610	171	50.588	208	61.566	245	72.543
24	6.973	61	17.951	98	28.929	135	39.907	172	50.884	209	61.862	246	72.840
25	7.270	62	18.248	99	29.226	136	40.203	173	51.181	210	62.159	247	73.137
26	7.567	63	18.544	100	29.522	137	40.500	174	51.478	211	62.456	248	73.433
27	7.863	64	18.841	101	29.819	138	40.797	175	51.775	212	62.752	249	73.730
28	8.160	65	19.138	102	30.116	139	41.093	176	52.071	213	63.049	250	74.027
29	8.457	66	19.435	103	30.412	140	41.390	177	52.368	214	63.346	251	74.324
30	8.753	67	19.731	104	30.709	141	41.687	178	52.665	215	63.642	252	74.620
31	9.050	68	20.028	105	31.006	142	41.984	179	52.961	216	63.939	253	74.917
32	9.347	69	20.325	106	31.302	143	42.280	180	53.258	217	64.236	254	75.214
33	9.644	70	20.621	107	31.599	144	42.577	181	53.555	218	64.533		
34	9.940	71	20.918	108	31.896	145	42.874	182	53.851	219	64.829		
35	10.237	72	21.215	109	32.193	146	43.170	183	54.148	220	65.126		
36	10.534	73	21.511	110	32.489	147	43.467	184	54.445	221	65.423		
37	10.830	74	21.808	111	32.786	148	43.764	185	54.742	222	65.719		

09/27/71

1 INSTALLATION DATE FEB. 5.1961

M2 PRESSURE FC 2 REGULATED

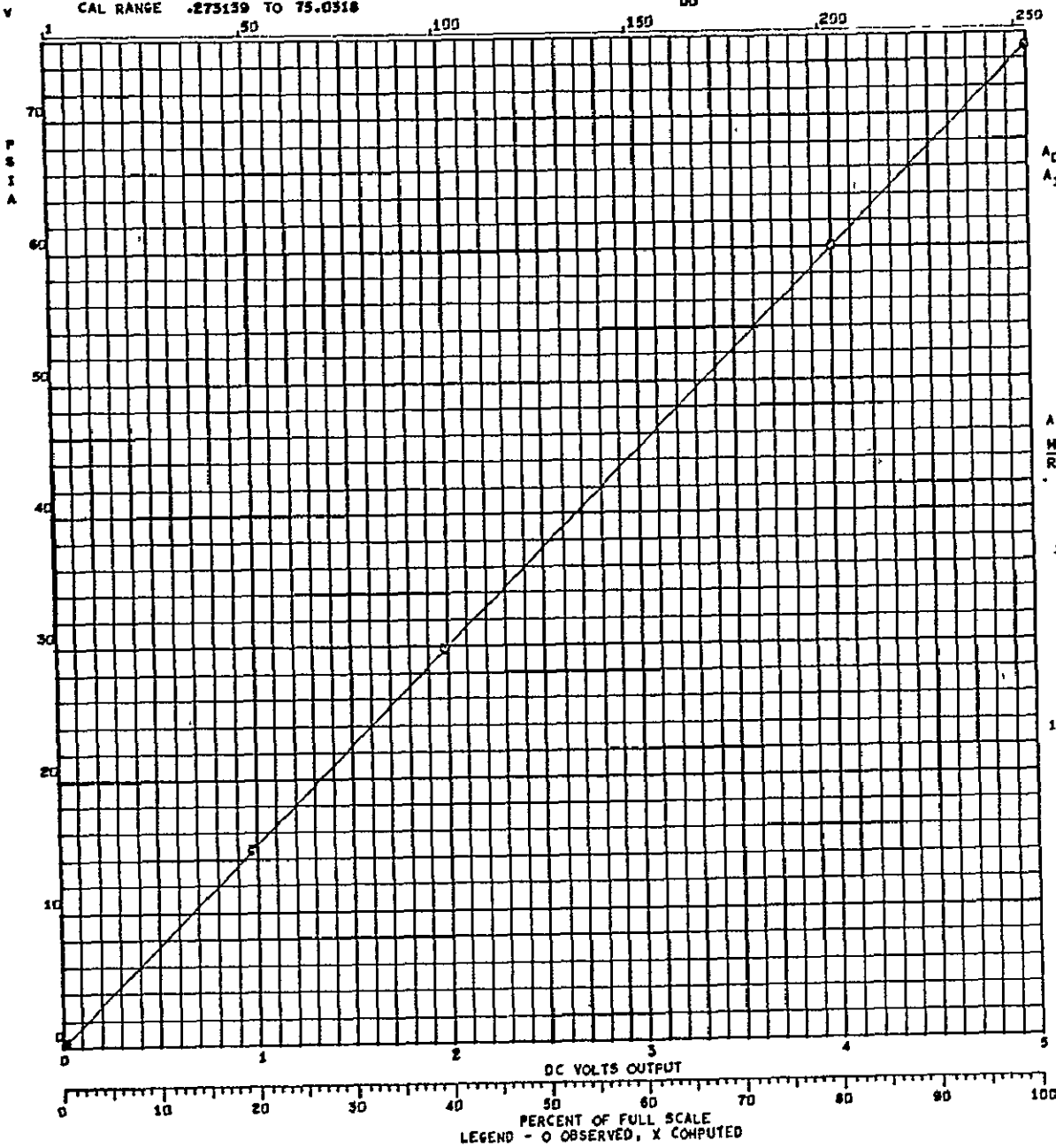
CAL RANGE .273139 TO 75.0318

SC-113

HARDWARE CALIB. NO. 81675 01 00 00

SERIAL NO. 06763P650756

=21515



EQUATION COEFFICIENTS

A_0= 1.080 E-01

A_1= 1.501 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = 1.080E-01

20% = 1.512E 01

40% = 3.013E 01

50% = 3.763E 01

60% = 4.513E 01

80% = 6.014E 01

100% = 7.515E 01

MEASUREMENT NO.

200SC2070F01

MEAS LOADING NO.

1102123 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

H2 PRESSURE FC 2 REGULATED

MEASUREMENT NO. 2005C2070P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763F650756
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/05/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.108	38	11.083	75	22.058	112	33.032	149	44.007	186	54.982	223	65.957
2	0.405	39	11.379	76	22.354	113	33.329	150	44.304	187	55.279	224	66.253
3	0.701	40	11.676	77	22.651	114	33.626	151	44.600	188	55.575	225	66.550
4	0.998	41	11.973	78	22.947	115	33.922	152	44.897	189	55.872	226	66.847
5	1.295	42	12.269	79	23.244	116	34.219	153	45.194	190	56.168	227	67.143
6	1.591	43	12.566	80	23.541	117	34.515	154	45.490	191	56.465	228	67.440
7	1.888	44	12.863	81	23.837	118	34.812	155	45.787	192	56.762	229	67.736
8	2.184	45	13.159	82	24.134	119	35.109	156	46.083	193	57.058	230	68.033
9	2.481	46	13.456	83	24.431	120	35.405	157	46.380	194	57.355	231	68.330
10	2.778	47	13.752	84	24.727	121	35.702	158	46.677	195	57.652	232	68.626
11	3.074	48	14.049	85	25.024	122	35.999	159	46.973	196	57.948	233	68.923
12	3.371	49	14.346	86	25.320	123	36.295	160	47.270	197	58.245	234	69.220
13	3.667	50	14.642	87	25.617	124	36.592	161	47.567	198	58.541	235	69.516
14	3.964	51	14.939	88	25.914	125	36.888	162	47.863	199	58.838	236	69.813
15	4.261	52	15.235	89	26.210	126	37.185	163	48.160	200	59.135	237	70.109
16	4.557	53	15.532	90	26.507	127	37.482	164	48.456	201	59.431	238	70.406
17	4.854	54	15.829	91	26.803	128	37.778	165	48.753	202	59.728	239	70.703
18	5.151	55	16.125	92	27.100	129	38.075	166	49.050	203	60.024	240	70.999
19	5.447	56	16.422	93	27.397	130	38.371	167	49.346	204	60.321	241	71.296
20	5.744	57	16.719	94	27.693	131	38.668	168	49.643	205	60.618	242	71.592
21	6.040	58	17.015	95	27.990	132	38.965	169	49.940	206	60.914	243	71.889
22	6.337	59	17.312	96	28.287	133	39.261	170	50.236	207	61.211	244	72.186
23	6.634	60	17.608	97	28.583	134	39.558	171	50.533	208	61.508	245	72.482
24	6.930	61	17.905	98	28.880	135	39.855	172	50.829	209	61.804	246	72.779
25	7.227	62	18.202	99	29.176	136	40.151	173	51.126	210	62.101	247	73.076
26	7.523	63	18.498	100	29.473	137	40.448	174	51.423	211	62.397	248	73.372
27	7.820	64	18.795	101	29.770	138	40.744	175	51.719	212	62.694	249	73.669
28	8.117	65	19.091	102	30 066	139	41.041	176	52.016	213	62.991	250	73.965
29	8.413	66	19.388	103	30.363	140	41.338	177	52.312	214	63.287	251	74.262
30	8.710	67	19.685	104	30.659	141	41.634	178	52.609	215	63.584	252	74.559
31	9.007	68	19.981	105	30.956	142	41.931	179	52.906	216	63.880	253	74.855
32	9.303	69	20.278	106	31.253	143	42.227	180	53.202	217	64.177	254	75.152
33	9.600	70	20.575	107	31.549	144	42.524	181	53.499	218	64.474		
34	9.896	71	20.871	108	31.846	145	42.821	182	53.796	219	64.770		
35	10.193	72	21.168	109	32.143	146	43.117	183	54.092	220	65.067		
36	10.490	73	21.464	110	32.439	147	43.414	184	54.389	221	65.364		
37	10.786	74	21.761	111	32.736	148	43.711	185	54.685	222	65.660		

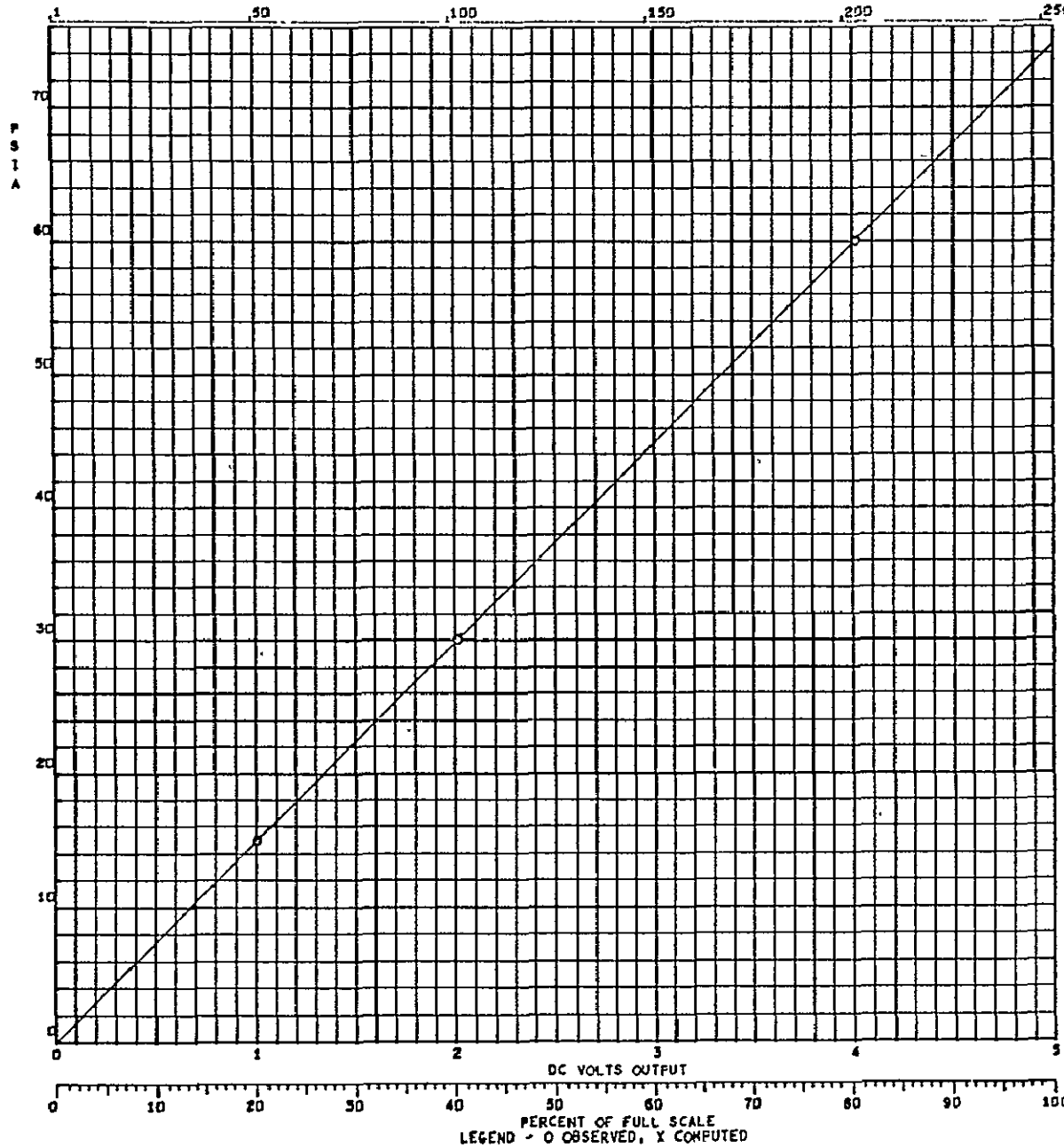
09/27/71
1 INSTALLATION DATE FEB. 6,1961
H2 PRESSURE FC 3 REGULATED
CAL RANGE -.058573 TO 74.9202

SC-113

HARDWARE CALIB. NO. 81679 01 00 00

SERIAL NO. 06763P650756

=21515



EQUATION COEFFICIENTS

A_0= 3.113 E-02

A_1= 1.495 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 3 113E-02

20% = 1.498E 01

40% = 2 993E 01

50% = 3.741E 01

60% = 4.488E 01

80% = 5.983E 01

100% = 7.479E 01

MEASUREMENT NO.

200SC2071FD1

MEAS LOADING NO.

1152124 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

H2 PRESSURE FC 3 REGULATED

MEASUREMENT NO. 2003C2071P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763P650758
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/06/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	0.031	38	10.964	75	21.896	112	32.829	149	43.761	186	54.693	223	65.626
2	0.327	39	11.259	76	22.192	113	33.124	150	44.056	187	54.989	224	65.921
3	0.622	40	11.555	77	22.487	114	33.419	151	44.352	188	55.284	225	66.217
4	0.918	41	11.850	78	22.782	115	33.715	152	44.647	189	55.580	226	66.512
5	1.213	42	12.145	79	23.078	116	34.010	153	44.943	190	55.875	227	66.808
6	1.508	43	12.441	80	23.373	117	34.306	154	45.238	191	56.171	228	67.103
7	1.804	44	12.736	81	23.669	118	34.601	155	45.534	192	56.466	229	67.399
8	2.099	45	13.032	82	23.964	119	34.897	156	45.829	193	56.762	230	67.694
9	2.395	46	13.327	83	24.260	120	35.192	157	46.125	194	57.057	231	67.990
10	2.690	47	13.623	84	24.555	121	35.488	158	46.420	195	57.353	232	68.285
11	2.986	48	13.918	85	24.851	122	35.783	159	46.716	196	57.648	233	68.581
12	3.281	49	14.214	86	25.146	123	36.079	160	47.011	197	57.944	234	68.876
13	3.577	50	14.509	87	25.442	124	36.374	161	47.307	198	58.239	235	69.172
14	3.872	51	14.805	88	25.737	125	36.670	162	47.602	199	58.535	236	69.467
15	4.168	52	15.100	89	26.033	126	36.965	163	47.898	200	58.830	237	69.763
16	4.463	53	15.396	90	26.328	127	37.261	164	48.193	201	59.126	238	70.058
17	4.759	54	15.691	91	26.624	128	37.556	165	48.489	202	59.421	239	70.354
18	5.054	55	15.987	92	26.919	129	37.852	166	48.784	203	59.717	240	70.649
19	5.350	56	16.282	93	27.215	130	38.147	167	49.080	204	60.012	241	70.944
20	5.645	57	16.578	94	27.510	131	38.443	168	49.375	205	60.307	242	71.240
21	5.941	58	16.873	95	27.806	132	38.738	169	49.670	206	60.603	243	71.535
22	6.236	59	17.169	96	28.101	133	39.033	170	49.966	207	60.898	244	71.831
23	6.532	60	17.464	97	28.396	134	39.329	171	50.261	208	61.194	245	72.126
24	6.827	61	17.759	98	28.692	135	39.624	172	50.557	209	61.489	246	72.422
25	7.122	62	18.055	99	28.987	136	39.920	173	50.852	210	61.785	247	72.717
26	7.418	63	18.350	100	29.283	137	40.215	174	51.148	211	62.080	248	73.013
27	7.713	64	18.646	101	29.578	138	40.511	175	51.443	212	62.376	249	73.308
28	8.009	65	18.941	102	29.874	139	40.806	176	51.739	213	62.671	250	73.604
29	8.304	66	19.237	103	30.169	140	41.102	177	52.034	214	62.967	251	73.899
30	8.600	67	19.532	104	30.465	141	41.397	178	52.330	215	63.262	252	74.195
31	8.895	68	19.828	105	30.760	142	41.693	179	52.625	216	63.558	253	74.490
32	9.191	69	20.123	106	31.056	143	41.988	180	52.921	217	63.853	254	74.786
33	9.486	70	20.419	107	31.351	144	42.284	181	53.216	218	64.149		
34	9.782	71	20.714	108	31.647	145	42.579	182	53.512	219	64.444		
35	10.077	72	21.010	109	31.942	146	42.875	183	53.807	220	64.740		
36	10.373	73	21.305	110	32.238	147	43.170	184	54.103	221	65.035		
37	10.668	74	21.601	111	32.533	148	43.466	185	54.398	222	65.331		

09/27/71

1 INSTALLATION DATE FEB. 10,1961

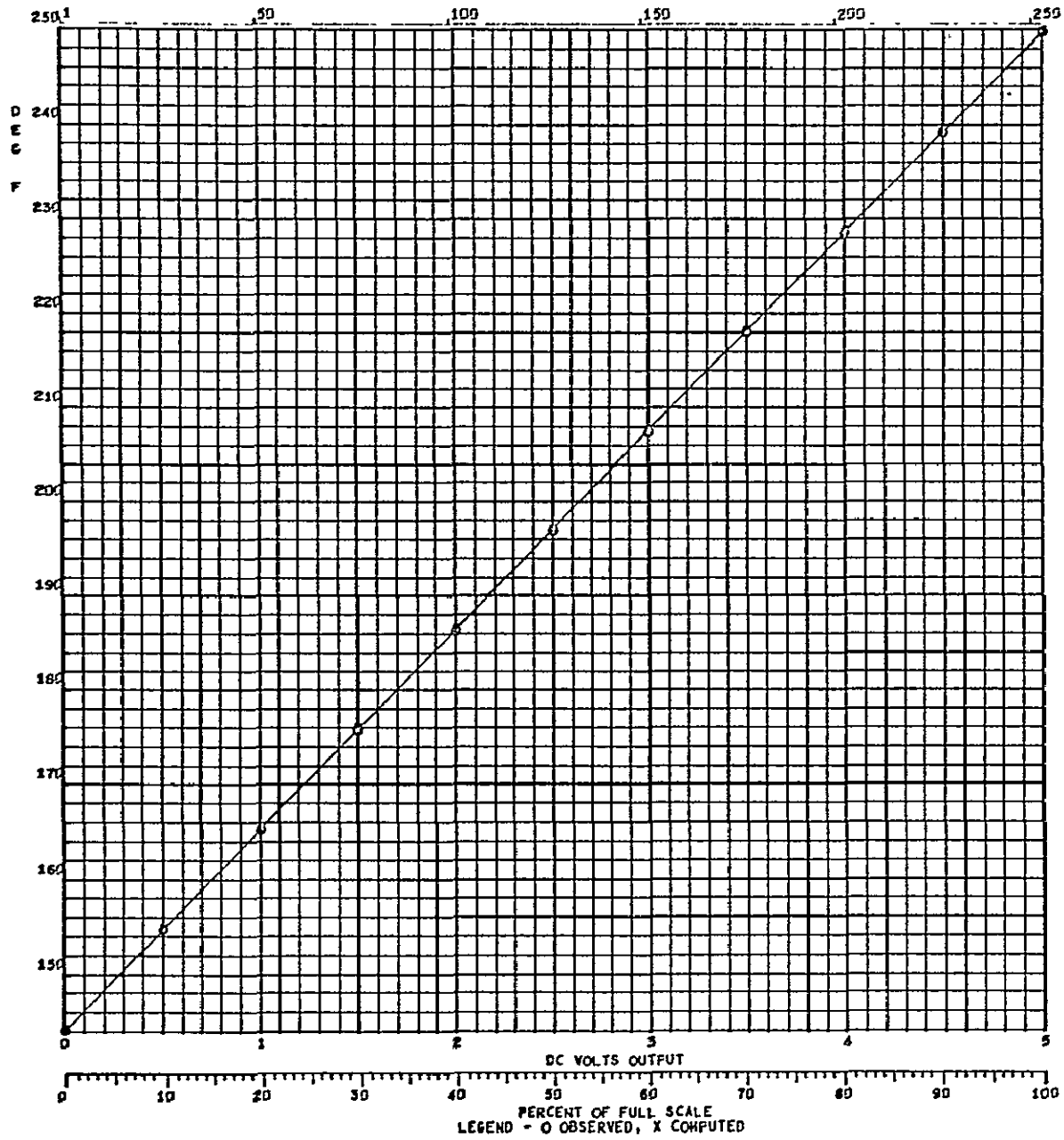
TEMP FC 1 COND EXHAUST

CAL RANGE 144.140 TO 249.800

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
60430 01	06763P650755
61454 01	089781512026
00	

=21515



EQUATION COEFFICIENTS

A_0= 1.441 E 02

A_1= 2.113 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 1.441E 02

20% = 1.653E 02

40% = 1.864E 02

50% = 1.970E 02

60% = 2 075E 02

80% = 2.287E 02

100% = 2 498E 02

MEASUREMENT NO.

200SC2061T01

MEAS LOADING NO.

1017116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP FC-1 CONC EXHAUST

MEASUREMENT NO. 2005C2081T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763F650755
SIGNAL CONDITIONER SERIAL NO. 089781512026
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/10/61

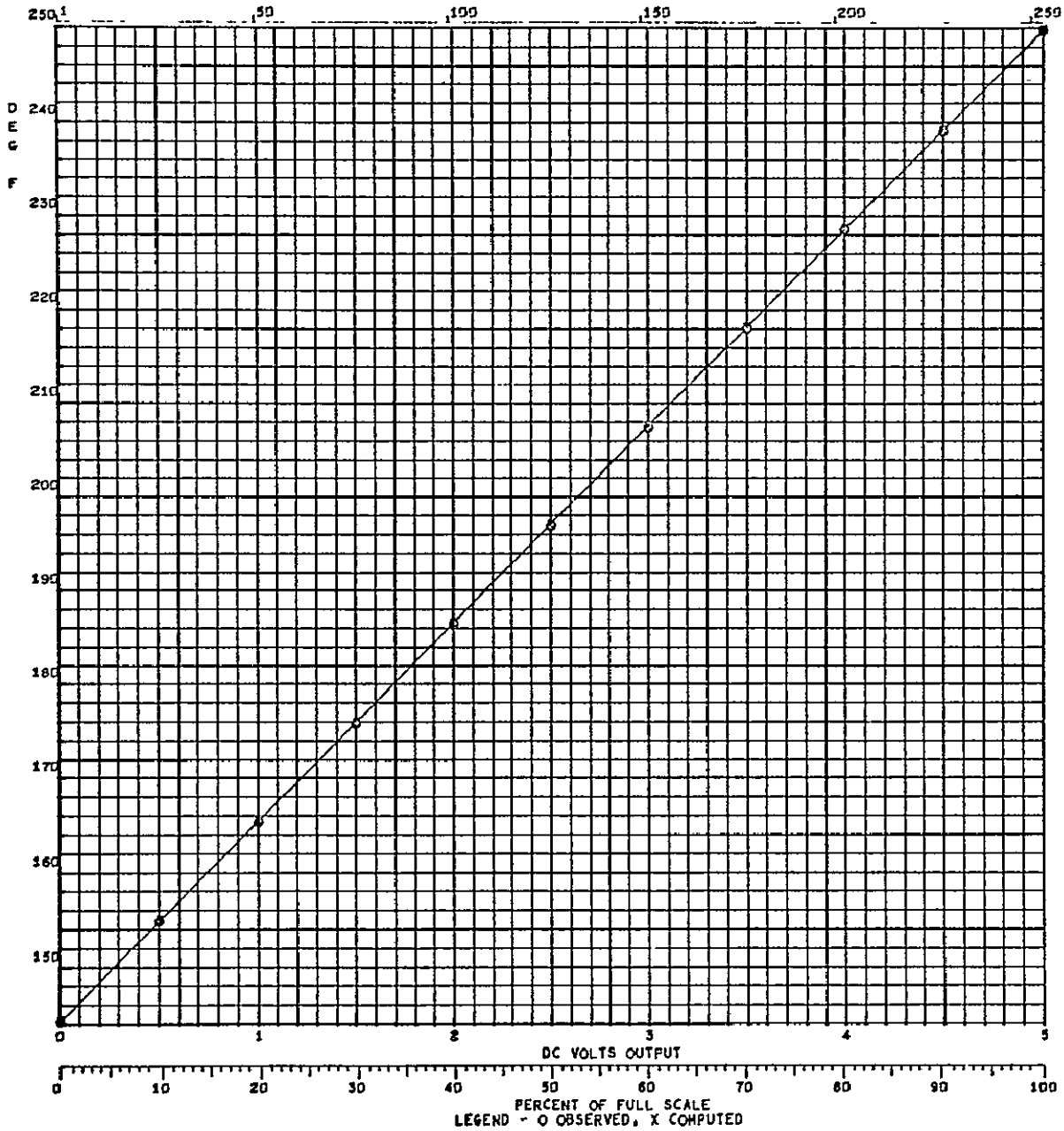
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	144.140	38	159.592	75	175.044	112	190.497	149	205.949	186	221.401	223	236.853
2	144.557	39	160 010	76	175.462	113	190.914	150	206.367	187	221.819	224	237.271
3	144.975	40	160.427	77	175.880	114	191.332	151	206.784	188	222.236	225	237.689
4	145.393	41	160.845	78	176.297	115	191.750	152	207.202	189	222.654	226	238.106
5	145.810	42	161.263	79	176.715	116	192.167	153	207.619	190	223.072	227	238.524
6	146.228	43	161.680	80	177.133	117	192.585	154	208.037	191	223.489	228	238.942
7	146.646	44	162.098	81	177.550	118	193.002	155	208.455	192	223.907	229	239.359
8	147.063	45	162.516	82	177.968	119	193.420	156	208.872	193	224.325	230	239.777
9	147.481	46	162.933	83	178.385	120	193.838	157	209.290	194	224.742	231	240.194
10	147.899	47	163.351	84	178.803	121	194.255	158	209.708	195	225.160	232	240.612
11	148.316	48	163.768	85	179.221	122	194.673	159	210.125	196	225.577	233	241.030
12	148.734	49	164.186	86	179.638	123	195.091	160	210.543	197	225.995	234	241.447
13	149.151	50	164.604	87	180.056	124	195.508	161	210.960	198	226.413	235	241.865
14	149.569	51	165.021	88	180.474	125	195.926	162	211.378	199	226.830	236	242.283
15	149.987	52	165.439	89	180.891	126	196.343	163	211.796	200	227.248	237	242.700
16	150.404	53	165.857	90	181.309	127	196.761	164	212.213	201	227.666	238	243.118
17	150.822	54	166.274	91	181.726	128	197.179	165	212.631	202	228.083	239	243.535
18	151.240	55	166.692	92	182.144	129	197.596	166	213.049	203	228.501	240	243.953
19	151.657	56	167.109	93	182.562	130	198.014	167	213.466	204	228.918	241	244.371
20	152.075	57	167.527	94	182.979	131	198.432	168	213 884	205	229.336	242	244.788
21	152.492	58	167.945	95	183.397	132	198.849	169	214.301	206	229.754	243	245.206
22	152.910	59	168.362	96	183.815	133	199.267	170	214.719	207	230.171	244	245.624
23	153.328	60	168.780	97	184.232	134	199.684	171	215.137	208	230.589	245	246.041
24	153.745	61	169.198	98	184.650	135	200.102	172	215.554	209	231.007	246	246.459
25	154.163	62	169.615	99	185.067	136	200.520	173	215.972	210	231.424	247	246.876
26	154.581	63	170.033	100	185.485	137	200.937	174	216.390	211	231.842	248	247.294
27	154.998	64	170.450	101	185.903	138	201.355	175	216.807	212	232.259	249	247.712
28	155.416	65	170.868	102	186.320	139	201.773	176	217.225	213	232.677	250	248.129
29	155.833	66	171.286	103	186.738	140	202.190	177	217.642	214	233.095	251	248.547
30	156.251	67	171.703	104	187.156	141	202.608	178	218.060	215	233.512	252	248.965
31	156.669	68	172.121	105	187.573	142	203.025	179	218.478	216	233.930	253	249 382
32	157.086	69	172.539	106	187.991	143	203.443	180	218.895	217	234.348	254	249.800
33	157.504	70	172.956	107	188.408	144	203.861	181	219.313	218	234.765		
34	157.922	71	173.374	108	188.826	145	204.278	182	219.731	219	235.183		
35	158.339	72	173.791	109	189.244	146	204.696	183	220.148	220	235.601		
36	158.757	73	174.209	110	189.661	147	205.114	184	220.566	221	236.018		
37	159.174	74	174.627	111	190.079	148	205.531	185	220.984	222	236.436		

09/27/71
1 INSTALLATION DATE FEB. 5,1961
TEMP FC 2 COND EXHAUST
CAL RANGE 144.282 TO 249.723

SC-113

HARDWARE CALIB. NO. SERIAL NO.
81673 01 06763F650756
81435 01 089781512026
00

=21515



EQUATION COEFFICIENTS

A_0= 1.443 E 02
A_1= 2.109 E 01

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 1.443E 02
20% = 1.654E 02
40% = 1.865E 02
50% = 1.970E 02
60% = 2.075E 02
80% = 2.286E 02
100% = 2.497E 02

MEASUREMENT NO
20DSC2082T01

MEAS LOADING NO.
1941116 12 29

6 C69

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP FC 2 COND EXHAUST

MEASUREMENT NO. 2003C2082T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763F650756
SIGNAL CONDITIONER SERIAL NO. 089781512026
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/05/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	144.282	38	159.702	75	175.123	112	190.543	149	205.963	186	221.383	223	236.804
2	144.699	39	160.119	76	175.539	113	190.960	150	206.380	187	221.800	224	237.220
3	145.116	40	160.536	77	175.956	114	191.376	151	206.797	188	222.217	225	237.637
4	145.533	41	160.953	78	176.373	115	191.793	152	207.213	189	222.634	226	238.054
5	145.949	42	161.370	79	176.790	116	192.210	153	207.630	190	223.050	227	238.471
6	146.366	43	161.786	80	177.207	117	192.627	154	208.047	191	223.467	228	238.888
7	146.783	44	162.203	81	177.623	118	193.044	155	208.464	192	223.884	229	239.304
8	147.200	45	162.620	82	178.040	119	193.460	156	208.881	193	224.301	230	239.721
9	147.616	46	163.037	83	178.457	120	193.877	157	209.297	194	224.718	231	240.138
10	148.033	47	163.453	84	178.874	121	194.294	158	209.714	195	225.134	232	240.555
11	148.450	48	163.870	85	179.290	122	194.711	159	210.131	196	225.551	233	240.971
12	148.867	49	164.287	86	179.707	123	195.127	160	210.548	197	225.968	234	241.388
13	149.283	50	164.704	87	180.124	124	195.544	161	210.964	198	226.385	235	241.805
14	149.700	51	165.120	88	180.541	125	195.961	162	211.381	199	226.801	236	242.222
15	150.117	52	165.537	89	180.957	126	196.378	163	211.798	200	227.218	237	242.638
16	150.534	53	165.954	90	181.374	127	196.794	164	212.215	201	227.635	238	243.055
17	150.950	54	166.371	91	181.791	128	197.211	165	212.631	202	228.052	239	243.472
18	151.367	55	166.787	92	182.208	129	197.628	166	213.048	203	228 468	240	243.889
19	151.784	56	167.204	93	182.624	130	198.045	167	213.465	204	228.885	241	244.305
20	152.201	57	167.621	94	183.041	131	198.461	168	213.882	205	229.302	242	244.722
21	152.617	58	168.038	95	183.458	132	198.878	169	214.298	206	229.719	243	245.139
22	153.034	59	168.454	96	183.875	133	199.295	170	214.715	207	230.135	244	245.556
23	153.451	60	168.871	97	184.291	134	199.712	171	215.132	208	230.552	245	245.972
24	153.868	61	169.288	98	184.708	135	200.128	172	215.549	209	230.969	246	246.389
25	154.285	62	169.705	99	185.125	136	200.545	173	215.966	210	231.386	247	246.806
26	154.701	63	170.122	100	185.542	137	200.962	174	216.382	211	231.803	248	247.223
27	155.118	64	170.538	101	185.959	138	201.379	175	216.799	212	232.219	249	247.640
28	155.535	65	170.955	102	186.375	139	201.796	176	217.216	213	232.636	250	248.056
29	155.952	66	171.372	103	186.792	140	202.212	177	217.633	214	233.053	251	248.473
30	156.368	67	171.789	104	187.209	141	202.629	178	218.049	215	233.470	252	248.890
31	156.785	68	172.205	105	187.626	142	203.046	179	218.466	216	233.886	253	249.307
32	157.202	69	172.622	106	188.042	143	203.463	180	218.883	217	234.303	254	249.723
33	157.619	70	173.039	107	188.459	144	203.879	181	219.300	218	234.720		
34	158.035	71	173.456	108	188.876	145	204.296	182	219.716	219	235.137		
35	158.452	72	173.872	109	189.293	146	204.713	183	220.133	220	235.553		
36	158.869	73	174.289	110	189.709	147	205.130	184	220.550	221	235.970		
37	159.286	74	174.706	111	190.126	148	205.546	185	220.967	222	236.387		

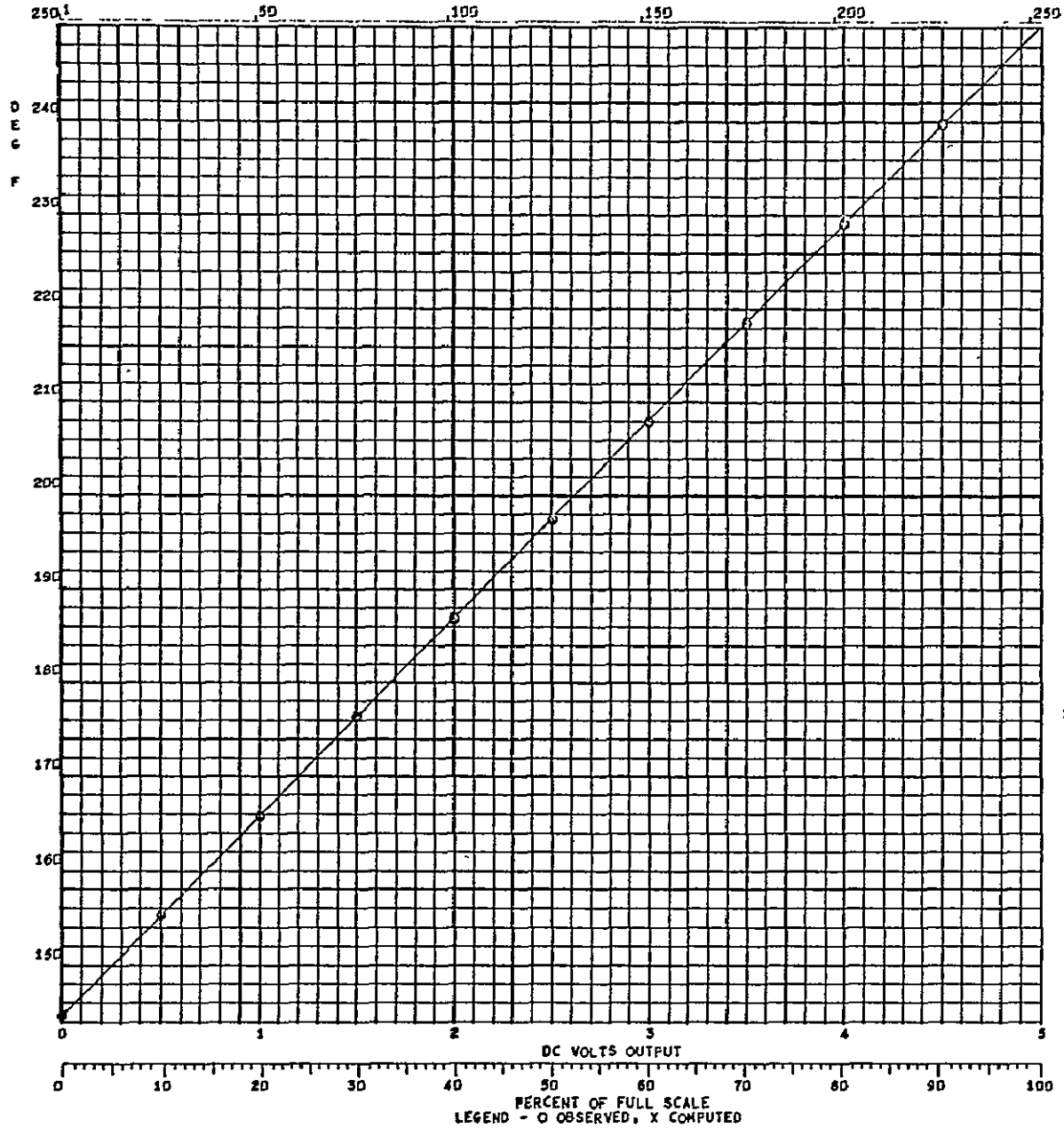
09/27/71
1 INSTALLATION DATE FEB. 6,1961
TEMP FC 3 COND EXHAUST
CAL RANGE 144.673 TO 250.270

SC-113

HARDWARE CALIB. NO.
#1682 01
#1436 01
00

SERIAL NO.
06763F650758
089781512032

=21515



EQUATION COEFFICIENTS

A_0= 1.447 E 02
A_1= 2.112 E 01

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 1.447E 02
20% = 1.658E 02
40% = 1.869E 02
50% = 1.975E 02
60% = 2.080E 02
80% = 2.292E 02
100% = 2.503E 02

MEASUREMENT NO.
200SC2083T01

MEAS LOADING NO.
1023116 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP FC 3 COND EXHAUST

MEASUREMENT NO. 200SC2083T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763P650758
SIGNAL CONDITIONER SERIAL NO. 089781512032
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/06/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	144.673	38	160.116	75	175.559	112	191.002	149	206.445	186	221.888	223	237.331
2	145.090	39	160.533	76	175.977	113	191.420	150	206.863	187	222.306	224	237.749
3	145.508	40	160.951	77	176.394	114	191.837	151	207.280	188	222.723	225	238.166
4	145.925	41	161.368	78	176.811	115	192.254	152	207.697	189	223.141	226	238.584
5	146.343	42	161.786	79	177.229	116	192.672	153	208.115	190	223.558	227	239 001
6	146.760	43	162.203	80	177.646	117	193.089	154	208.532	191	223.975	228	239.418
7	147.177	44	162.620	81	178.063	118	193.507	155	208.950	192	224 393	229	239.836
8	147.595	45	163.038	82	178.481	119	193.924	156	209.367	193	224.810	230	240.253
9	148.012	46	163.455	83	178.898	120	194.341	157	209.784	194	225.227	231	240.670
10	148.429	47	163.872	84	179.316	121	194.759	158	210.202	195	225.645	232	241.088
11	148.847	48	164.290	85	179.733	122	195.176	159	210.619	196	226 062	233	241.505
12	149.264	49	164.707	86	180.150	123	195.593	160	211.036	197	226.480	234	241.923
13	149.682	50	165.125	87	180.568	124	196.011	161	211.454	198	226 897	235	242.340
14	150.099	51	165.542	88	180.985	125	196 428	162	211.871	199	227.314	236	242.757
15	150.516	52	165.959	89	181.402	126	196.846	163	212.289	200	227.732	237	243.175
16	150.934	53	166.377	90	181.820	127	197.263	164	212.706	201	228.149	238	243.592
17	151.351	54	166.794	91	182.237	128	197.680	165	213.123	202	228.566	239	244.010
18	151.768	55	167.212	92	182.655	129	198.098	166	213.541	203	228.984	240	244.427
19	152.186	56	167.629	93	183.072	130	198.515	167	213.958	204	229.401	241	244.844
20	152.603	57	168.046	94	183.489	131	198.932	168	214.376	205	229 819	242	245.262
21	153.021	58	168.464	95	183.907	132	199.350	169	214.793	206	230.236	243	245.679
22	153.438	59	168.881	96	184.324	133	199.767	170	215.210	207	230.653	244	246.096
23	153.855	60	169.298	97	184.742	134	200.185	171	215.628	208	231.071	245	246.514
24	154.273	61	169.716	98	185.159	135	200.602	172	216.045	209	231.488	246	246.931
25	154.690	62	170.133	99	185.576	136	201.019	173	216.462	210	231.905	247	247.349
26	155.108	63	170.551	100	185.994	137	201.437	174	216.880	211	232.323	248	247.766
27	155.525	64	170.968	101	186.411	138	201.854	175	217.297	212	232.740	249	248.183
28	155.942	65	171.385	102	186 828	139	202.271	176	217.715	213	233.158	250	248.601
29	156.360	66	171.803	103	187.246	140	202.689	177	218.132	214	233.575	251	249.018
30	156.777	67	172.220	104	187.663	141	203.106	178	218.549	215	233.992	252	249.435
31	157.194	68	172.637	105	188.081	142	203.524	179	218.967	216	234.410	253	249.853
32	157.612	69	173.055	106	188.498	143	203.941	180	219.384	217	234 827	254	250.270
33	158.029	70	173.472	107	188.915	144	204.358	181	219.801	218	235.245		
34	158.447	71	173.890	108	189.333	145	204.776	182	220.219	219	235.662		
35	158.864	72	174.307	109	189.750	146	205.193	183	220.636	220	236.079		
36	159.281	73	174.724	110	190.167	147	205.611	184	221.054	221	236.497		
37	159.699	74	175.142	111	190.585	148	206.028	185	221.471	222	236.914		

09/27/71

4 INSTALLATION DATE FEB. 10,1961

TEMP FC 1 SKIN

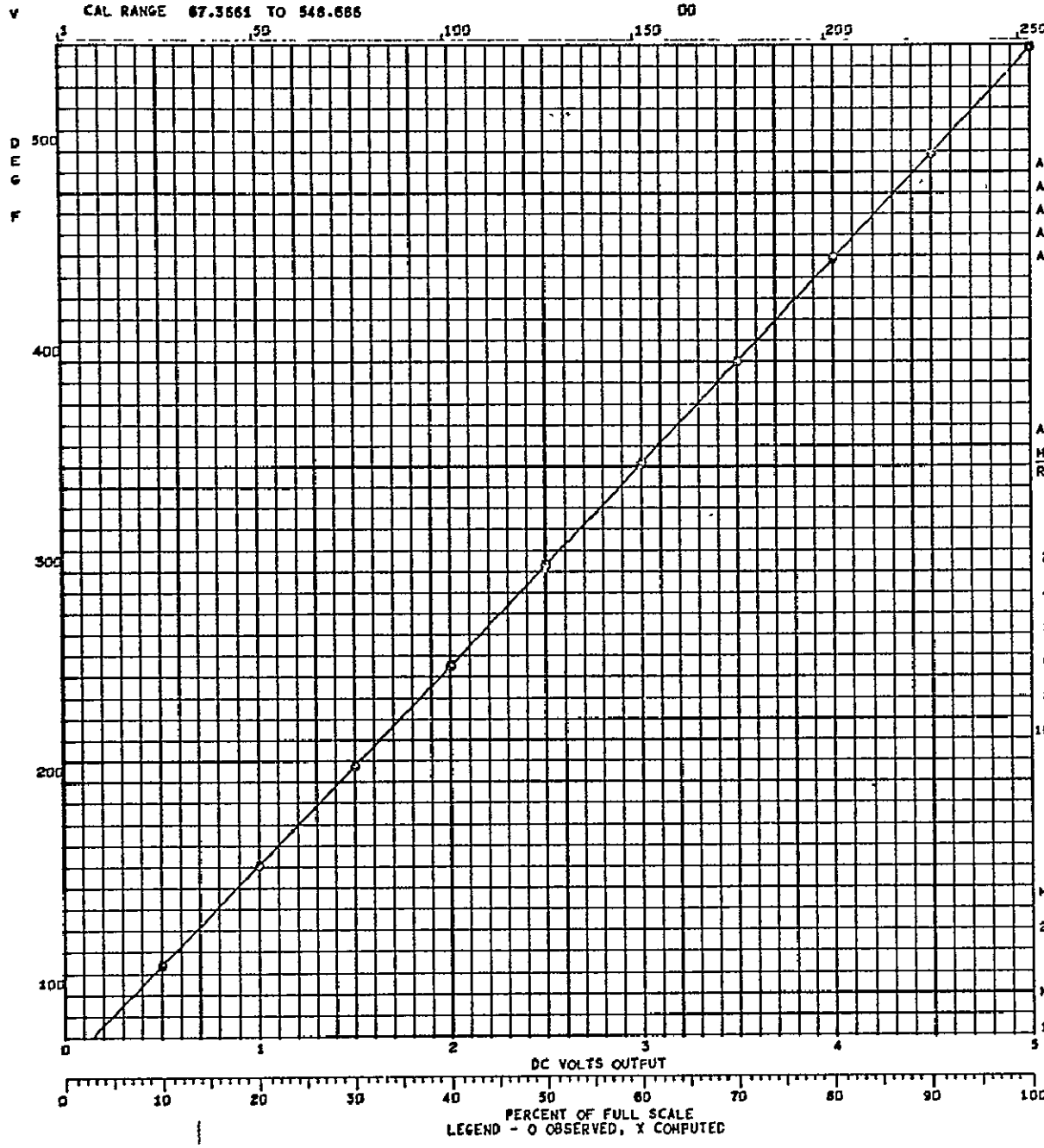
CAL RANGE 67.3561 TO 548.686

SC-113

HARDWARE CALIB. NO.
80431 01
81438 01
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SERIAL NO.
05763P650755
089781212002

=21515



EQUATION COEFFICIENTS

A_0= 6.737 E 01
A_1= 9.247 E 01
A_2= 7.085 E-01
A_3= 7.156 E-03
A_4= 5.652 E-04

AL DEV= 0

HX DEV / RANGE = 0

0% = 6.737E 01
20% = 1.606E 02
40% = 2.552E 02
50% = 3.031E 02
60% = 3.514E 02
80% = 4.492E 02
100% = 5.487E 02

MEASUREMENT NO.
200SC2084T01

MEAS LOADING NO.
1924116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP FC 1 SKIN

MEASUREMENT NO. 2003C2084T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763F650755
SIGNAL CONDITIONER SERIAL NO. 089781212002
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/10/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	67.366	38	135.366	75	204.142	112	273.718	149	344.119	186	415.377	223	487.525
2	69.194	39	137.214	76	206.012	113	275.609	150	346 034	187	417.315	224	489.488
3	71.022	40	139.063	77	207.882	114	277.502	151	347.949	188	419 254	225	491.451
4	72.851	41	140.913	78	209.753	115	279.395	152	349.865	189	421.193	226	493.415
5	74.681	42	142.763	79	211.625	116	281.288	153	351.781	190	423.133	227	495.380
6	76.511	43	144.614	80	213.497	117	283.183	154	353.698	191	425.074	228	497.345
7	78.341	44	146.465	81	215.370	118	285.077	155	355.616	192	427.015	229	499.311
8	80.172	45	148.317	82	217.243	119	286.973	156	357.534	193	428.957	230	501 278
9	82.004	46	150.170	83	219.117	120	288.869	157	359.453	194	430.900	231	503.246
10	83.836	47	152.023	84	220.991	121	290.765	158	361.372	195	432.843	232	505.214
11	85.669	48	153.876	85	222.866	122	292.663	159	363.292	196	434.787	233	507.182
12	87.502	49	155.731	86	224.742	123	294.560	160	365.213	197	436.732	234	509.152
13	89.336	50	157.585	87	226.618	124	296 459	161	367.134	198	438.677	235	511.122
14	91.171	51	159.441	88	228.495	125	298.358	162	369.057	199	440.623	236	513.093
15	93.006	52	161.297	89	230.373	126	300.257	163	370.979	200	442.570	237	515.065
16	94.841	53	163.153	90	232.251	127	302.158	164	372.903	201	444.517	238	517.037
17	96.677	54	165.010	91	234.129	128	304.059	165	374 826	202	446.465	239	519.010
18	98.514	55	166.868	92	236.008	129	305.960	166	376.751	203	448.413	240	520.983
19	100.351	56	168.726	93	237.888	130	307.862	167	378.676	204	450.363	241	522.958
20	102.189	57	170 585	94	239.769	131	309.765	168	380.602	205	452.313	242	524.933
21	104.027	58	172.444	95	241.650	132	311.668	169	382.529	206	454.263	243	526.908
22	105.866	59	174.304	96	243.531	133	313.572	170	384.456	207	456.214	244	528.885
23	107.706	60	176.165	97	245.413	134	315.477	171	386.383	208	458.166	245	530.862
24	109.546	61	178.026	98	247.296	135	317.382	172	388.312	209	460.119	246	532.840
25	111.387	62	179.888	99	249.180	136	319.288	173	390.241	210	462.072	247	534.818
26	113.228	63	181.750	100	251.064	137	321.194	174	392.171	211	464.026	248	536.797
27	115.069	64	183.613	101	252.948	138	323.101	175	394.101	212	465.981	249	538.777
28	116.912	65	185.476	102	254.833	139	325.009	176	396.032	213	467.936	250	540.758
29	118.755	66	187.340	103	256.719	140	326.917	177	397.963	214	469.892	251	542.739
30	120.598	67	189.205	104	258.605	141	328.826	178	399.896	215	471.848	252	544.721
31	122.442	68	191.070	105	260.492	142	330.735	179	401.829	216	473.806	253	546.704
32	124.287	69	192.935	106	262.380	143	332.645	180	403.762	217	475.763	254	548.687
33	126.132	70	194.802	107	264.268	144	334.556	181	405.696	218	477.722		
34	127.977	71	196.669	108	266.157	145	336.468	182	407.631	219	479.681		
35	129.824	72	198.536	109	268.046	146	338.380	183	409.567	220	481.641		
36	131.670	73	200.404	110	269.936	147	340.292	184	411.503	221	483.602		
37	133.518	74	202.273	111	271.827	148	342.205	185	413.440	222	485.563		

09/27/71

4 INSTALLATION DATE FEB. 5,1961

TEMP FC 2 SKIN

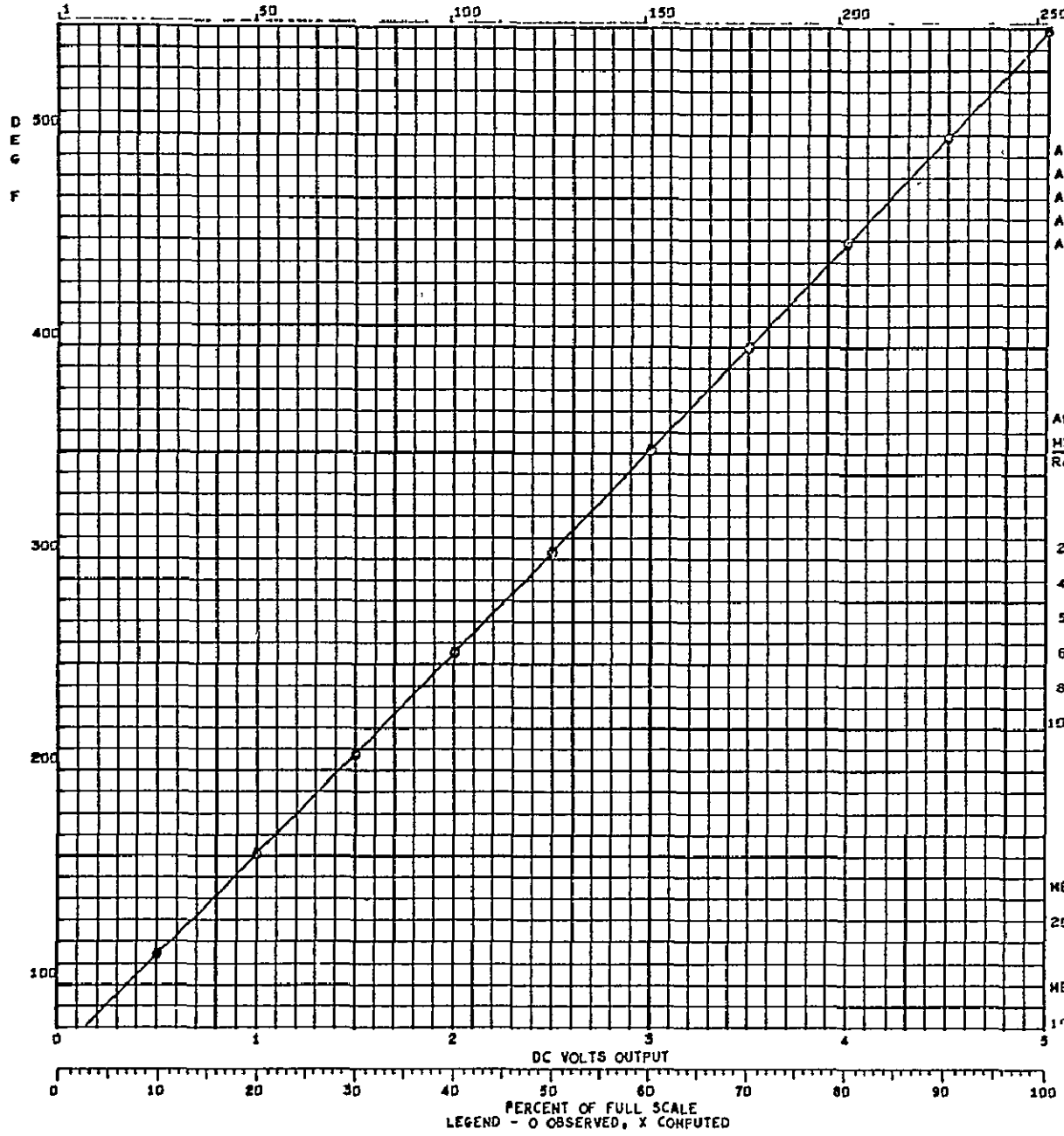
CAL RANGE 67.6534 TO 548.712

SC-113

HARDWARE CALIB. NO.
81674 01
81437 01
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SERIAL NO.
06763P650756
069761212002

=21515



EQUATION COEFFICIENTS

A_0= 6.765 E 01
A_1= 9.254 E 01
A_2= 6.892 E-01
A_3= 6.631 E-03
A_4= 5.206 E-04

AL DEV= 0

HX DEV / RANGE = 0

0% = 6.765E 01
20% = 1.609E 02
40% = 2.555E 02
50% = 3.034E 02
60% = 3.517E 02
80% = 4.494E 02
100% = 5.487E 02

MEASUREMENT NO.
200SC2085T01

MEAS LOADING NO.
1925116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP FC 2 SKIN

MEASUREMENT NO. 200SC2085T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763P650756
SIGNAL CONDITIONER SERIAL NO. 089781212002
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/05/61

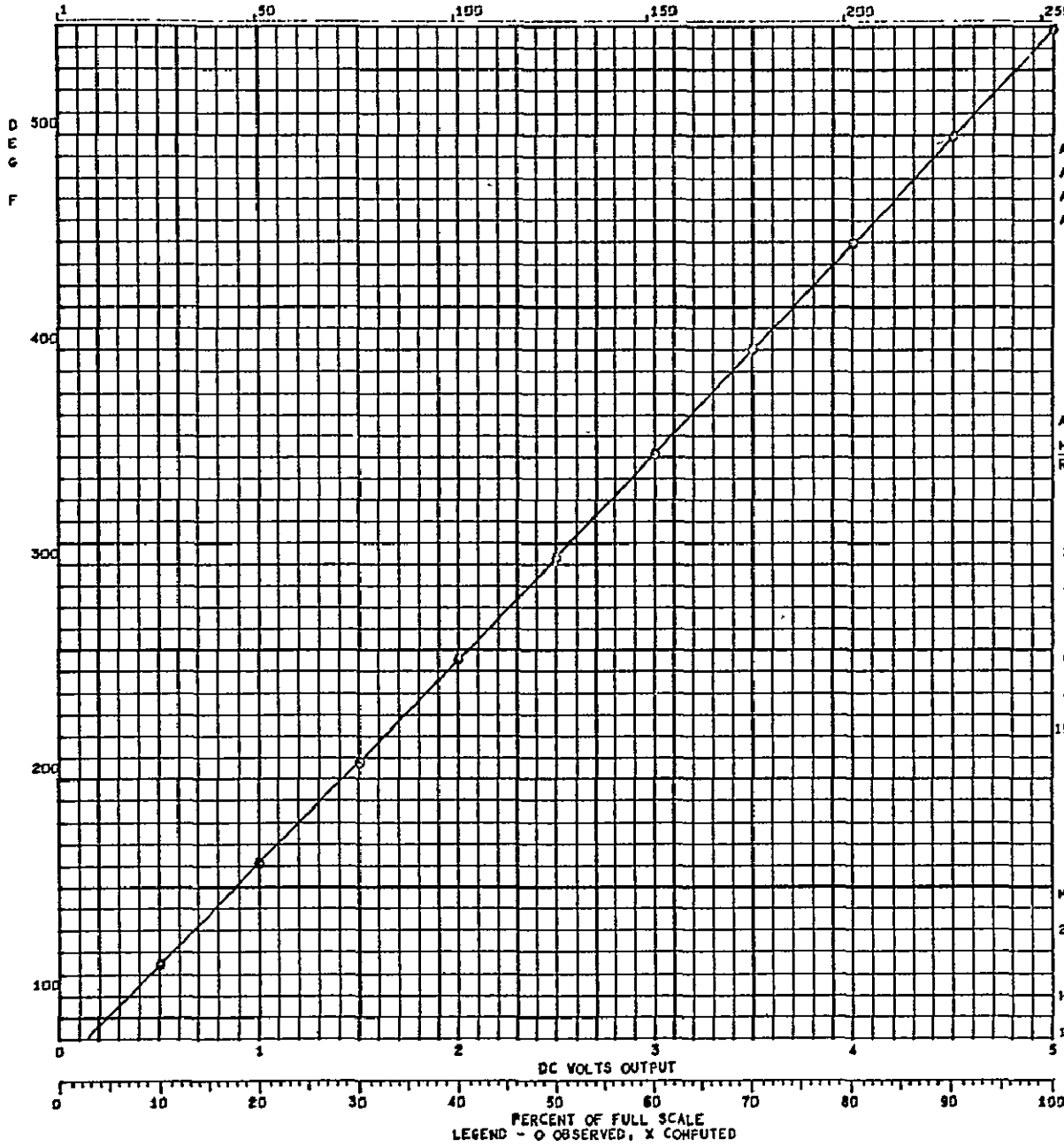
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	67.653	38	135.689	75	234.479	112	274.044	149	344.410	186	415.603	223	487.656
2	69.482	39	137.538	76	206.348	113	275.935	150	346.323	187	417.539	224	489.616
3	71.312	40	139.388	77	208.219	114	277.827	151	348.236	188	419.476	225	491.576
4	73.142	41	141.238	78	210.090	115	279.719	152	350.151	189	421.413	226	493.537
5	74.973	42	143.089	79	211.961	116	281.612	153	352.066	190	423.351	227	495.499
6	76.804	43	144.940	80	213.834	117	283.506	154	353.981	191	425.289	228	497.461
7	78.636	44	146.792	81	215.706	118	285.400	155	355.897	192	427.228	229	499.424
8	80.468	45	148.645	82	217.579	119	287.294	156	357.814	193	429.168	230	501.388
9	82.301	46	150.498	83	219.453	120	289.190	157	359.732	194	431.108	231	503.352
10	84.134	47	152.351	84	221.328	121	291.085	158	361.650	195	433.049	232	505.317
11	85.968	48	154.205	85	223.203	122	292.982	159	363.568	196	434.991	233	507.282
12	87.802	49	156.060	86	225.078	123	294.879	160	365.487	197	436.933	234	509.249
13	89 637	50	157.915	87	226.954	124	296.776	161	367.407	198	438.876	235	511.215
14	91.473	51	159.771	88	228.831	125	298.675	162	369.328	199	440.819	236	513.183
15	93.309	52	161.628	89	230.708	126	300.573	163	371.249	200	442.764	237	515.151
16	95.146	53	163.484	90	232.586	127	302.473	164	373.170	201	444.708	238	517.120
17	96.983	54	165.342	91	234.464	128	304.373	165	375.093	202	446.654	239	519.090
18	98.820	55	167.200	92	236.343	129	306.273	166	377.015	203	448.600	240	521.060
19	100.659	56	169.059	93	238.223	130	308.174	167	378.939	204	450.547	241	523.031
20	102.497	57	170.918	94	240.103	131	310.076	168	380.863	205	452.494	242	525 002
21	104.337	58	172.777	95	241.984	132	311.978	169	382.788	206	454.442	243	526.974
22	106.177	59	174.638	96	243 865	133	313.881	170	384.713	207	456.391	244	528.947
23	108.017	60	176.499	97	245.747	134	315.785	171	386.639	208	458.340	245	530.921
24	109.858	61	178.360	98	247.629	135	317.689	172	388.566	209	460.290	246	532.895
25	111.699	62	180.222	99	249.512	136	319.594	173	390.493	210	462.240	247	534.870
26	113.541	63	182.084	100	251.396	137	321.499	174	392.421	211	464.191	248	536.845
27	115.384	64	183.948	101	253.280	138	323.405	175	394.349	212	466.143	249	538.822
28	117.227	65	185.811	102	255.165	139	325.311	176	396.278	213	468.096	250	540.799
29	119.071	66	187.675	103	257.050	140	327.219	177	398.208	214	470.049	251	542.776
30	120.915	67	189.540	104	258.936	141	329.126	178	400.138	215	472.003	252	544.754
31	122.760	68	191.406	105	260.822	142	331.035	179	402.069	216	473.957	253	546.733
32	124.605	69	193.271	106	262.710	143	332.943	180	404.001	217	475.912	254	548.713
33	126.451	70	195.138	107	264.597	144	334.853	181	405.933	218	477.868		
34	128.298	71	197.005	108	266.485	145	336.763	182	407.866	219	479.824		
35	130.144	72	198.872	109	268.374	146	338.674	183	409.799	220	481.781		
36	131.992	73	200.741	110	270.264	147	340.585	184	411.733	221	483.739		
37	133.840	74	202.609	111	272.154	148	342.497	185	413.668	222	485.697		

09/27/71
3 INSTALLATION DATE FEB. 6,1961
TEMP FC 3 SKIN
CAL RANGE 67.6612 TO 549.085

SC-113

HARDWARE CALIB. NO. SERIAL NO.
81678 01 05763P650758
81439 01 089781212001
00

=21515



EQUATION COEFFICIENTS

A_0= 6.766 E 01
A_1= 9.247 E 01
A_2= 7.043 E-01
A_3= 1.165 E-02

AL DEV= 0
MX DEV / RANGE = 0

0% = 6.766E 01
20% = 1.608E 02
40% = 2.555E 02
50% = 3.034E 02
60% = 3.517E 02
80% = 4.496E 02
100% = 5.491E 02

MEASUREMENT NO.
200SC2086T01

MEAS LOADING NO.
1926116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP FC 3 SKIN

MEASUREMENT NO. 200SC2086T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06763F650758
SIGNAL CONDITIONER SERIAL NO. 089781212001
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/06/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	67.661	38	135.660	75	204.439	112	274.026	149	344.449	186	415.733	223	487.908
2	69.489	39	137.509	76	206.309	113	275.919	150	346.364	187	417.672	224	489.871
3	71.317	40	139.358	77	208.180	114	277.811	151	348.280	188	419.612	225	491.835
4	73.146	41	141.207	78	210.051	115	279.705	152	350.196	189	421.552	226	493.800
5	74.976	42	143.058	79	211.923	116	281.599	153	352.113	190	423.493	227	495.765
6	76.806	43	144.908	80	213.795	117	283.494	154	354.031	191	425.434	228	497.731
7	78.636	44	146.760	81	215.668	118	285.389	155	355.949	192	427.376	229	499.698
8	80.467	45	148.612	82	217.542	119	287.285	156	357.868	193	429.319	230	501.665
9	82.299	46	150.464	83	219 416	120	289.181	157	359.788	194	431.262	231	503.633
10	84.131	47	152.317	84	221.291	121	291.078	158	361.708	195	433.206	232	505.601
11	85.964	48	154.171	85	223.166	122	292.976	159	363.629	196	435.151	233	507.571
12	87.797	49	156.025	86	225.042	123	294.874	160	365.550	197	437.096	234	509.541
13	89.631	50	157.880	87	226.918	124	296.773	161	367.472	198	439.042	235	511.511
14	91.465	51	159.735	88	228.795	125	298.673	162	369.395	199	440.989	236	513.483
15	93.300	52	161.591	89	230.673	126	300.573	163	371.318	200	442.936	237	515.455
16	95.136	53	163.448	90	232.551	127	302.474	164	373.242	201	444.884	238	517.427
17	96.972	54	165.305	91	234.430	128	304.375	165	375.167	202	446 833	239	519.401
18	98.809	55	167.163	92	236.310	129	306.277	166	377.092	203	448.782	240	521.375
19	100.646	56	169.021	93	238.190	130	308.180	167	379.018	204	450.732	241	523.350
20	102.484	57	170.880	94	240.071	131	310.083	168	380.945	205	452.683	242	525.325
21	104.322	58	172.739	95	241.952	132	311.987	169	382.872	206	454.634	243	527.301
22	106.161	59	174.599	96	243.834	133	313.892	170	384.800	207	456.586	244	529.278
23	108.000	60	176.460	97	245.716	134	315.797	171	386.728	208	458.539	245	531.255
24	109.840	61	178.321	98	247.599	135	317.702	172	388.658	209	460.492	246	533.234
25	111.681	62	180.183	99	249.483	136	319.609	173	390.587	210	462.446	247	535.212
26	113.522	63	182.045	100	251.367	137	321.516	174	392.518	211	464.401	248	537.192
27	115.364	64	183.908	101	253.252	138	323.423	175	394.449	212	466.356	249	539.172
28	117.206	65	185.772	102	255.138	139	325.332	176	396.381	213	468.312	250	541.153
29	119.049	66	187.636	103	257.024	140	327.241	177	398.313	214	470.268	251	543.135
30	120.892	67	189.501	104	258.911	141	329.150	178	400 246	215	472.226	252	545.117
31	122.736	68	191.366	105	260.798	142	331.060	179	402.180	216	474.184	253	547.100
32	124.581	69	193 232	106	262.686	143	332.971	180	404.114	217	476.142	254	549.083
33	126.426	70	195.098	107	264.575	144	334.882	181	406.049	218	478.102		
34	128.272	71	196.965	108	266.464	145	336.794	182	407.984	219	480.061		
35	130.118	72	198.833	109	268.354	146	338.707	183	409.921	220	482.022		
36	131.965	73	200.701	110	270.244	147	340.620	184	411.858	221	483.983		
37	133.812	74	202.570	111	272.135	148	342.534	185	413.795	222	485.945		

C 079

09/27/71

4 INSTALLATION DATE MARCH 17,1969

TEMP FC 1 RADIATOR OUTLET

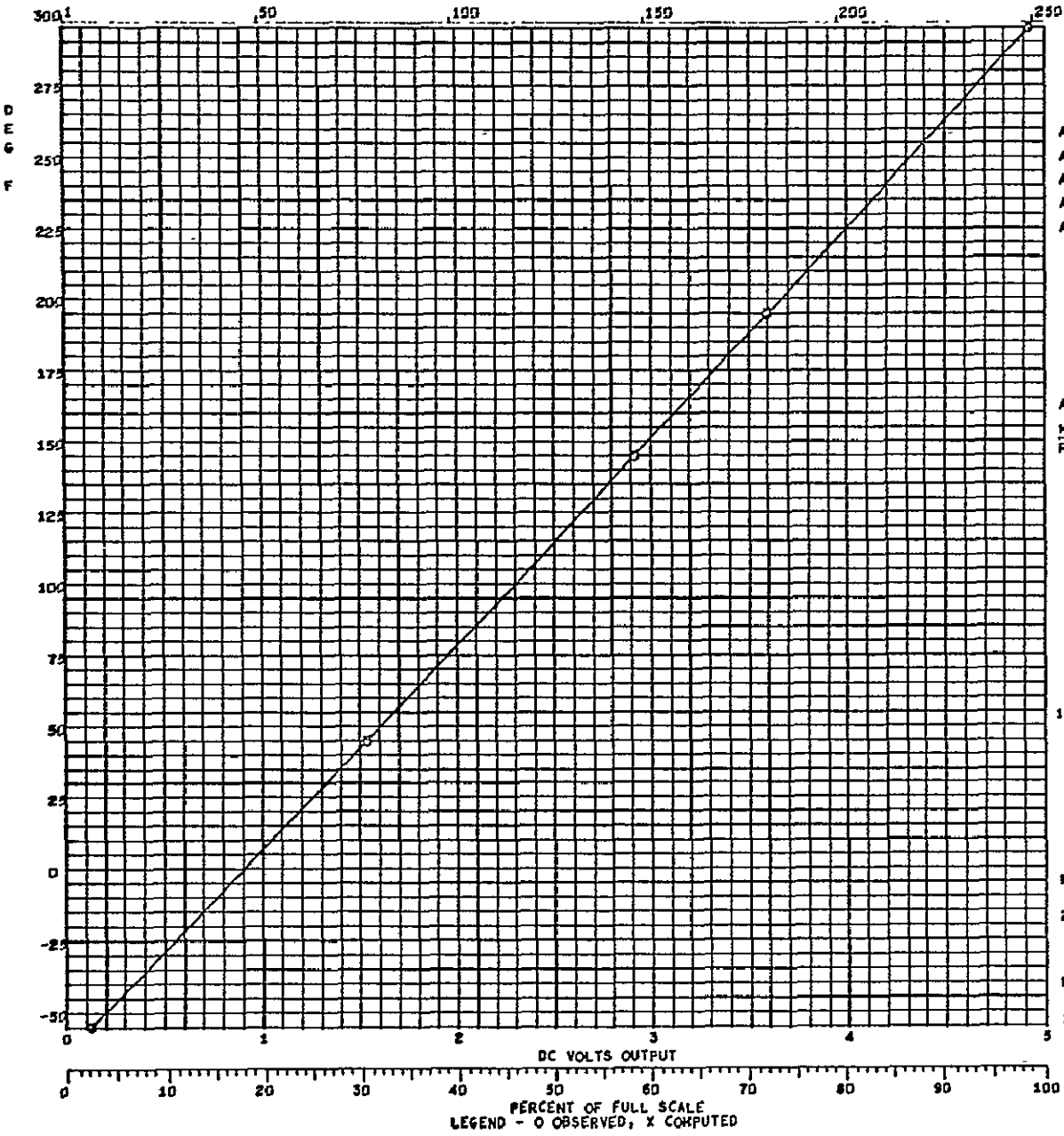
CAL RANGE -50.0000 TO 300.000

SC-113

HARDWARE CALIB. NO. 75370 02 00 00

SERIAL NO. 10095442368A

#21515



EQUATION COEFFICIENTS

A_0= -5.862 E 01

A_1= 6.936 E 01

A_2= 1.107 E 00

A_3= -1.769 E-01

A_4= 1.945 E-02

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -5.862E 01

20% = 1.169E 01

40% = 8.343E 01

60% = 1.562E 02

80% = 2.302E 02

100% = 3.059E 02

MEASUREMENT NO.

200SC2087T01

MEAS LOADING NO.

1042116 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP FC 1 RADIATOR OUTLET

MEASUREMENT NO. 200SC2087T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442368A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-58.617	38	-7.371	75	44.723	112	97.449	149	150.725	186	204.605	223	259.273
2	-57.246	39	-5.973	76	46.140	113	98.881	150	152.173	187	206.071	224	260.765
3	-55.874	40	-4.574	77	47.558	114	100.314	151	153.621	188	207.537	225	262.257
4	-54.501	41	-3.175	78	48.976	115	101.748	152	155.070	189	209.005	226	263.749
5	-53.128	42	-1.775	79	50.395	116	103.182	153	156.519	190	210.472	227	265.243
6	-51.753	43	-0.374	80	51.814	117	104.616	154	157.968	191	211.941	228	266.737
7	-50.378	44	1.027	81	53.234	118	106.051	155	159.418	192	213.410	229	268.233
8	-49.001	45	2.428	82	54.654	119	107.486	156	160.869	193	214.879	230	269.729
9	-47.624	46	3.830	83	56.074	120	108.921	157	162.319	194	216.349	231	271.226
10	-46.246	47	5.233	84	57.495	121	110.357	158	163.771	195	217.820	232	272.724
11	-44.868	48	6.636	85	58.916	122	111.794	159	165.222	196	219.291	233	274.222
12	-43.488	49	8.040	86	60.338	123	113.230	160	166.675	197	220.763	234	275.722
13	-42.108	50	9.445	87	61.760	124	114.667	161	168.127	198	222.236	235	277.223
14	-40.727	51	10.850	88	63.183	125	116.105	162	169.580	199	223.709	236	278.724
15	-39.346	52	12.255	89	64.606	126	117.543	163	171.034	200	225.183	237	280.226
16	-37.963	53	13.661	90	66.030	127	118.981	164	172.488	201	226.658	238	281.729
17	-36.580	54	15.069	91	67.453	128	120.419	165	173.943	202	228.133	239	283.234
18	-35.196	55	16 475	92	68.878	129	121.858	166	175.398	203	229.609	240	284.739
19	-33.811	56	17.883	93	70.302	130	123.298	167	176.853	204	231.085	241	286.245
20	-32.426	57	19.291	94	71.727	131	124.738	168	178.309	205	232.562	242	287.752
21	-31.040	58	20.700	95	73.153	132	126.178	169	179.766	206	234.040	243	289.260
22	-29.653	59	22.109	96	74.579	133	127.619	170	181.223	207	235.519	244	290.769
23	-28.265	60	23.519	97	76.005	134	129.060	171	182.680	208	236.998	245	292.278
24	-26.877	61	24.929	98	77.432	135	130.501	172	184.138	209	238.478	246	293.789
25	-25.488	62	26.339	99	78.859	136	131.943	173	185.597	210	239.958	247	295.301
26	-24.098	63	27.751	100	80.287	137	133.385	174	187.056	211	241.440	248	296.814
27	-22.708	64	29.162	101	81.715	138	134.828	175	188.515	212	242.922	249	298.328
28	-21.317	65	30.575	102	83.143	139	136.271	176	189.975	213	244.405	250	299.843
29	-19.925	66	31.987	103	84.572	140	137.715	177	191.436	214	245.888	251	301.359
30	-18.533	67	33.400	104	86.001	141	139.159	178	192.897	215	247.372	252	302.876
31	-17.140	68	34.814	105	87.431	142	140.603	179	194.358	216	248.857	253	304.394
32	-15.746	69	36.228	106	88.860	143	142.048	180	195.820	217	250.343	254	305.913
33	-14.352	70	37.643	107	90.291	144	143.493	181	197.283	218	251.829		
34	-12.957	71	39.058	108	91.722	145	144.938	182	198.746	219	253.317		
35	-11.561	72	40.473	109	93.153	146	146.384	183	200.210	220	254.805		
36	-10.165	73	41.889	110	94.584	147	147.831	184	201.675	221	256.293		
37	-8.768	74	43.306	111	96 016	148	149.278	185	203.139	222	257.783		

09/27/71

4 INSTALLATION DATE MARCH 17,1969

TEMP FC 2 RADIATOR OUTLET

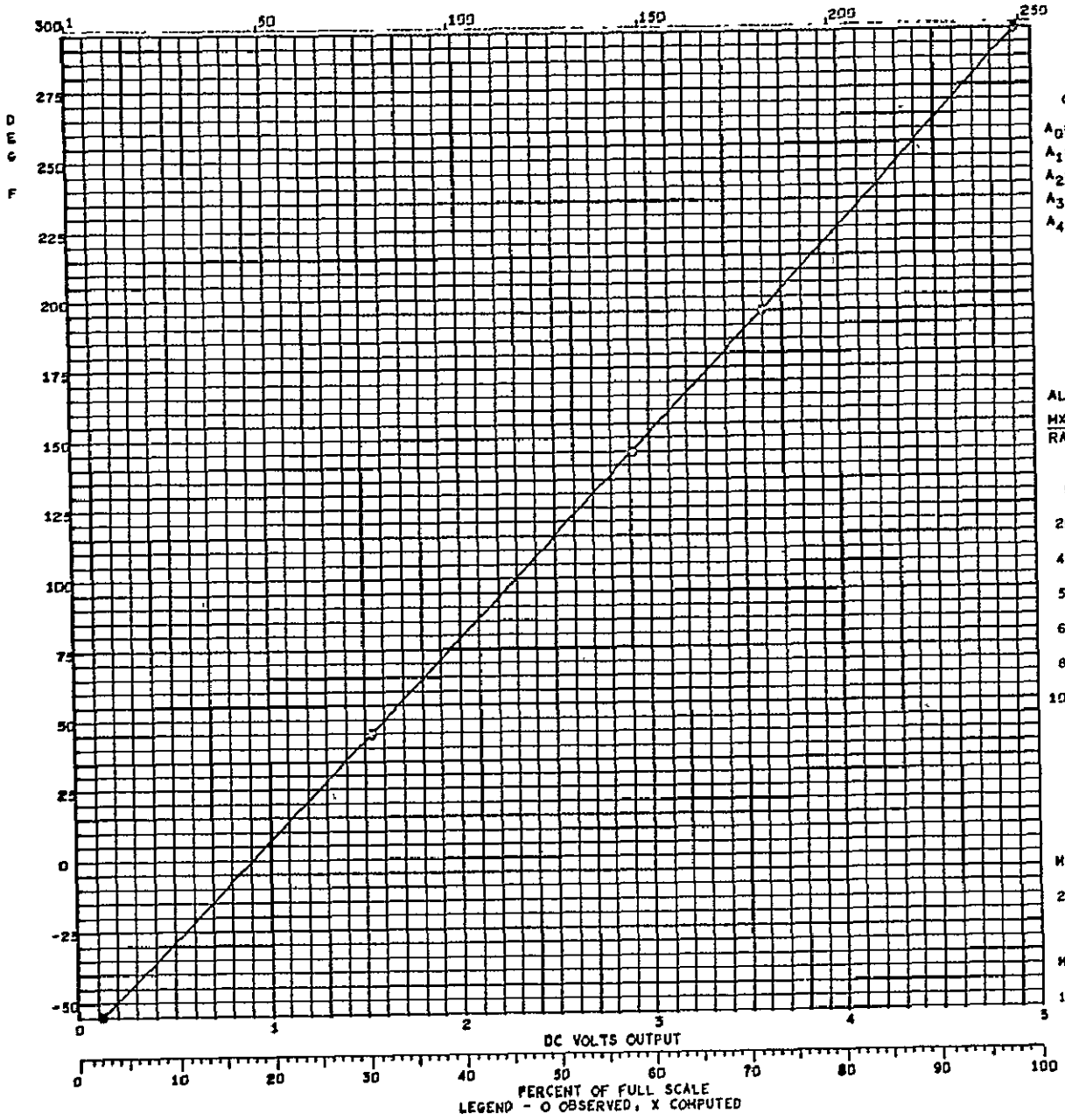
CAL RANGE -50.0000 TO 299.999

SC-113

HARDWARE CALIB. NO. 75367 02 00 00

SERIAL NO. 10095442365A

=21515



EQUATION COEFFICIENTS

A_0= -5.828 E 01

A_1= 6.819 E 01

A_2= 2.236 E 00

A_3= -5.188 E-01

A_4= 5.262 E-02

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -5.828E 01

20% = 1.168E 01

40% = 8.373E 01

60% = 1.567E 02

80% = 2.305E 02

100% = 3.066E 02

MEASUREMENT NO.

200SC2088T01

MEAS LOADING NO.

1043116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP FC 2 RADIATOR OUTLET

MEASUREMENT NO. - 200SC2068T01 -
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442365A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-58.283	38	-7.413	75	44.841	112	97.805	149	151.164	186	204.966	223	259.617
2	-56.934	39	-6.015	76	46.265	113	99.242	150	152.611	187	206.429	224	261.112
3	-55.584	40	-4.617	77	47.690	114	100.680	151	154.059	188	207.893	225	262 609
4	-54.232	41	-3.217	78	49.115	115	102.118	152	155.507	189	209.357	226	264.106
5	-52.879	42	-1.816	79	50.541	116	103.557	153	156.955	190	210.822	227	265.605
6	-51.523	43	-0.414	80	51.967	117	104.995	154	158.404	191	212.288	228	267.105
7	-50.166	44	0.988	81	53.394	118	106.434	155	159.852	192	213.754	229	268.606
8	-48.808	45	2.392	82	54.821	119	107.873	156	161.301	193	215.221	230	270.109
9	-47.448	46	3.796	83	56.249	120	109.313	157	162.751	194	216.689	231	271.613
10	-46.086	47	5.202	84	57.677	121	110.752	158	164.201	195	218.158	232	273.118
11	-44.723	48	6.608	85	59.105	122	112.192	159	165.651	196	219.627	233	274.625
12	-43.359	49	8.015	86	60.534	123	113.632	160	167.102	197	221.097	234	276.133
13	-41.992	50	9.422	87	61.963	124	115.072	161	168.552	198	222.567	235	277.642
14	-40.625	51	10.831	88	63.393	125	116.513	162	170.004	199	224.039	236	279.153
15	-39.256	52	12.240	89	64.823	126	117.954	163	171.455	200	225.511	237	280.665
16	-37.885	53	13.650	90	66.253	127	119.395	164	172.907	201	226.984	238	282.178
17	-36.513	54	15.061	91	67.684	128	120.836	165	174.360	202	228.457	239	283.693
18	-35.140	55	16.473	92	69.115	129	122.278	166	175.813	203	229.932	240	285.210
19	-33.765	56	17.885	93	70.547	130	123.720	167	177.266	204	231.407	241	286.728
20	-32.389	57	19.298	94	71.978	131	125.162	168	178.719	205	232.884	242	288.247
21	-31.012	58	20.712	95	73.410	132	126.604	169	180.174	206	234.361	243	289.769
22	-29.633	59	22.126	96	74.843	133	128.047	170	181.628	207	235.839	244	291.291
23	-28.253	60	23.541	97	76.276	134	129.490	171	183.083	208	237.317	245	292.815
24	-26.872	61	24.957	98	77.709	135	130.933	172	184.538	209	238.797	246	294.341
25	-25.490	62	26.373	99	79.142	136	132.376	173	185.994	210	240.278	247	295.869
26	-24.106	63	27.791	100	80.576	137	133.820	174	187.450	211	241.759	248	297.398
27	-22.721	64	29.208	101	82.010	138	135.264	175	188.907	212	243.242	249	298.929
28	-21.335	65	30.627	102	83.445	139	136.708	176	190.364	213	244.725	250	300.462
29	-19.948	66	32.045	103	84.879	140	138.152	177	191.822	214	246.210	251	301.996
30	-18.560	67	33.465	104	86.315	141	139.597	178	193.280	215	247.695	252	303.532
31	-17.170	68	34.885	105	87.750	142	141.042	179	194.739	216	249.182	253	305.070
32	-15.779	69	36.306	106	89.185	143	142.487	180	196.198	217	250.669	254	306.610
33	-14.388	70	37.727	107	90.621	144	143.932	181	197.658	218	252.158		
34	-12.995	71	39.149	108	92.057	145	145.378	182	199.119	219	253.647		
35	-11.601	72	40.571	109	93.494	146	146.824	183	200.579	220	255.138		
36	-10.206	73	41.994	110	94.931	147	148.271	184	202.041	221	256.630		
37	-8.810	74	43.417	111	96 368	148	149.717	185	203.503	222	258.123		

09/27/71

4 INSTALLATION DATE MARCH 17,1969

TEMP FC 3 RADIATOR OUTLET

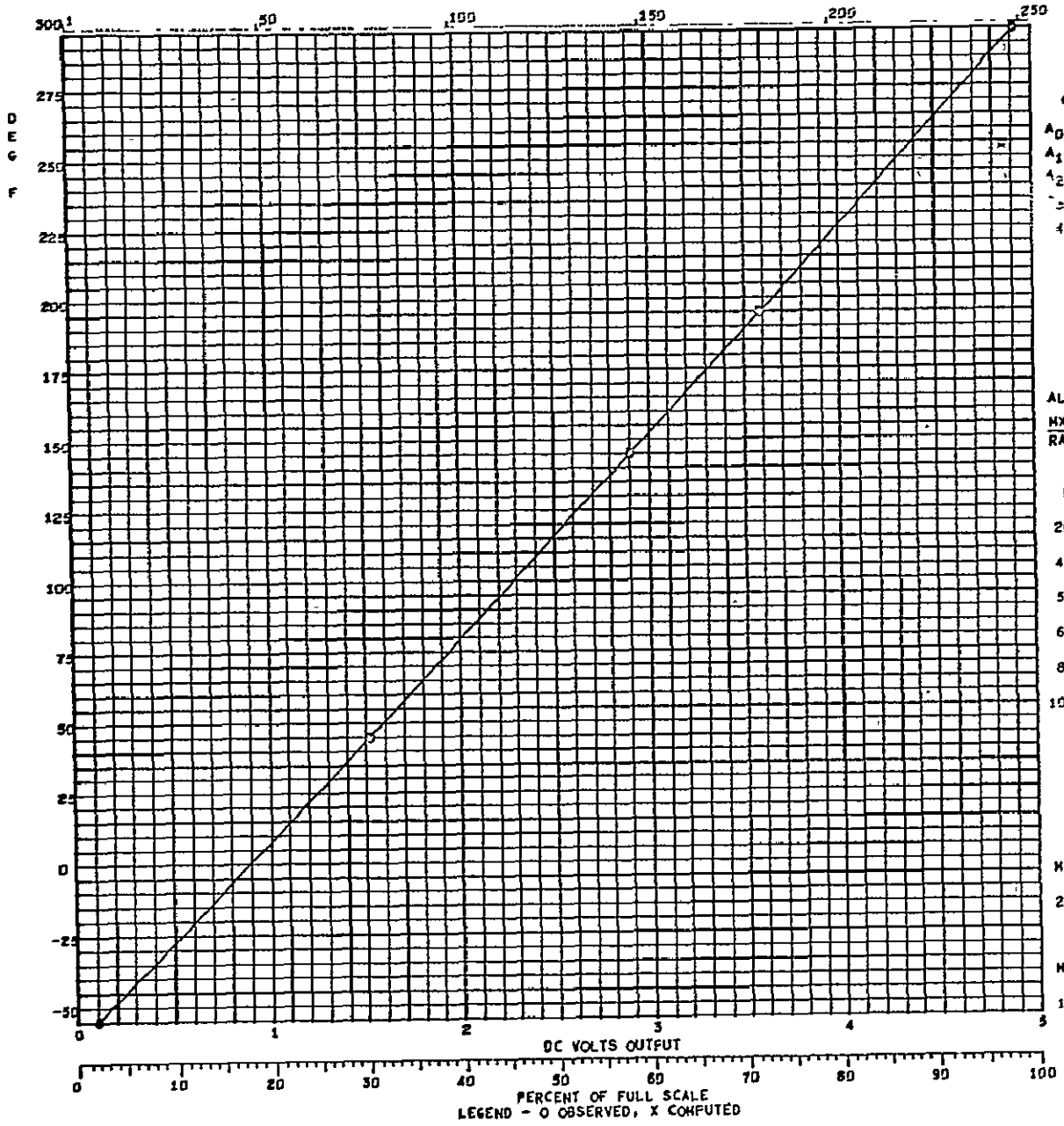
CAL RANGE -50.0000 TO 300.000

SC-113

HARDWARE CALIB. NO. 75368 02 00 00

SERIAL NO. 10095442366A

#21515



EQUATION COEFFICIENTS

A_0= -5.702 E 01

A_1= 6.864 E 01

A_2= 1.479 E 00

A_3= -2.706 E-01

A_4= 2.806 E-02

AL DEV= 0

MX DEV / RANGE = 0

0% = -5.702E 01

20% = 1.286E 01

40% = 8.446E 01

50% = 1.207E 02

60% = 1.572E 02

80% = 2.311E 02

100% = 3.069E 02

MEASUREMENT NO.

200SC2089T01

MEAS LOADING NO.

1044116 12 25

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP FC 3 RADIATOR OUTLET

MEASUREMENT NO. 2005C2089T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442366A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-57.016	36	-6.134	75	45.807	112	98.461	149	151.675	186	205.488	223	260.130
2	-55.659	39	-4.742	76	47.222	113	99.892	150	153.121	187	206.952	224	261.622
3	-54.301	40	-3.350	77	48.637	114	101.324	151	154.567	188	208.417	225	263.115
4	-52.942	41	-1.956	78	50.053	115	102.756	152	156.014	189	209.883	226	264.609
5	-51.581	42	-0.562	79	51.469	116	104.188	153	157.461	190	211.349	227	266.104
6	-50.220	43	0.833	80	52.886	117	105.621	154	158.909	191	212.816	228	267.599
7	-48.857	44	2.228	81	54.303	118	107.054	155	160.357	192	214.283	229	269.096
8	-47.493	45	3.625	82	55.721	119	108.487	156	161.805	193	215.751	230	270.593
9	-46.128	46	5.022	83	57.139	120	109.921	157	163.254	194	217.220	231	272.092
10	-44.763	47	6.419	84	58.558	121	111.355	158	164.704	195	218.690	232	273.591
11	-43.396	48	7.818	85	59.977	122	112.793	159	166.154	196	220.160	233	275.092
12	-42.028	49	9.217	86	61.397	123	114.225	160	167.604	197	221.630	234	276.593
13	-40.659	50	10.616	87	62.817	124	115.660	161	169.055	198	223.102	235	278.096
14	-39.289	51	12.017	88	64.238	125	117.096	162	170.506	199	224.574	236	279.599
15	-37.918	52	13.418	89	65.659	126	118.532	163	171.958	200	226.047	237	281.104
16	-36.546	53	14.819	90	67.080	127	119.969	164	173.410	201	227.520	238	282.610
17	-35.173	54	16.222	91	68.502	128	121.406	165	174.863	202	228.995	239	284.117
18	-33.799	55	17.625	92	69.925	129	122.843	166	176.316	203	230.469	240	285.624
19	-32.424	56	19.028	93	71.347	130	124.281	167	177.769	204	231.945	241	287.133
20	-31.049	57	20.432	94	72.771	131	125.719	168	179.224	205	233.421	242	288.643
21	-29.672	58	21.837	95	74.194	132	127.158	169	180.678	206	234.899	243	290.155
22	-28.294	59	23.243	96	75.618	133	128.597	170	182.133	207	236.376	244	291.667
23	-26.916	60	24.649	97	77.043	134	130.036	171	183.589	208	237.855	245	293.180
24	-25.536	61	26.055	98	78.468	135	131.476	172	185.045	209	239.334	246	294.695
25	-24.156	62	27.462	99	79.893	136	132.916	173	186.502	210	240.814	247	296.211
26	-22.775	63	28.870	100	81.319	137	134.357	174	187.959	211	242.295	248	297.728
27	-21.392	64	30.279	101	82.745	138	135.798	175	189.417	212	243.777	249	299.246
28	-20.009	65	31.688	102	84.172	139	137.239	176	190.875	213	245.260	250	300.765
29	-18.626	66	33.097	103	85.599	140	138.681	177	192.334	214	246.743	251	302.286
30	-17.241	67	34.507	104	87.027	141	140.123	178	193.793	215	248.227	252	303.807
31	-15.855	68	35.918	105	88.455	142	141.565	179	195.253	216	249.712	253	305.330
32	-14.469	69	37.329	106	89.883	143	143.008	180	196.713	217	251.198	254	306.855
33	-13.082	70	38.741	107	91.312	144	144.452	181	198.174	218	252.684		
34	-11.694	71	40.153	108	92.741	145	145.896	182	199.636	219	254.172		
35	-10.305	72	41.566	109	94.170	146	147.340	183	201.098	220	255.660		
36	-8.916	73	42.979	110	95.600	147	148.784	184	202.560	221	257.149		
37	-7.525	74	44.393	111	97.030	148	150.229	185	204.024	222	258.639		

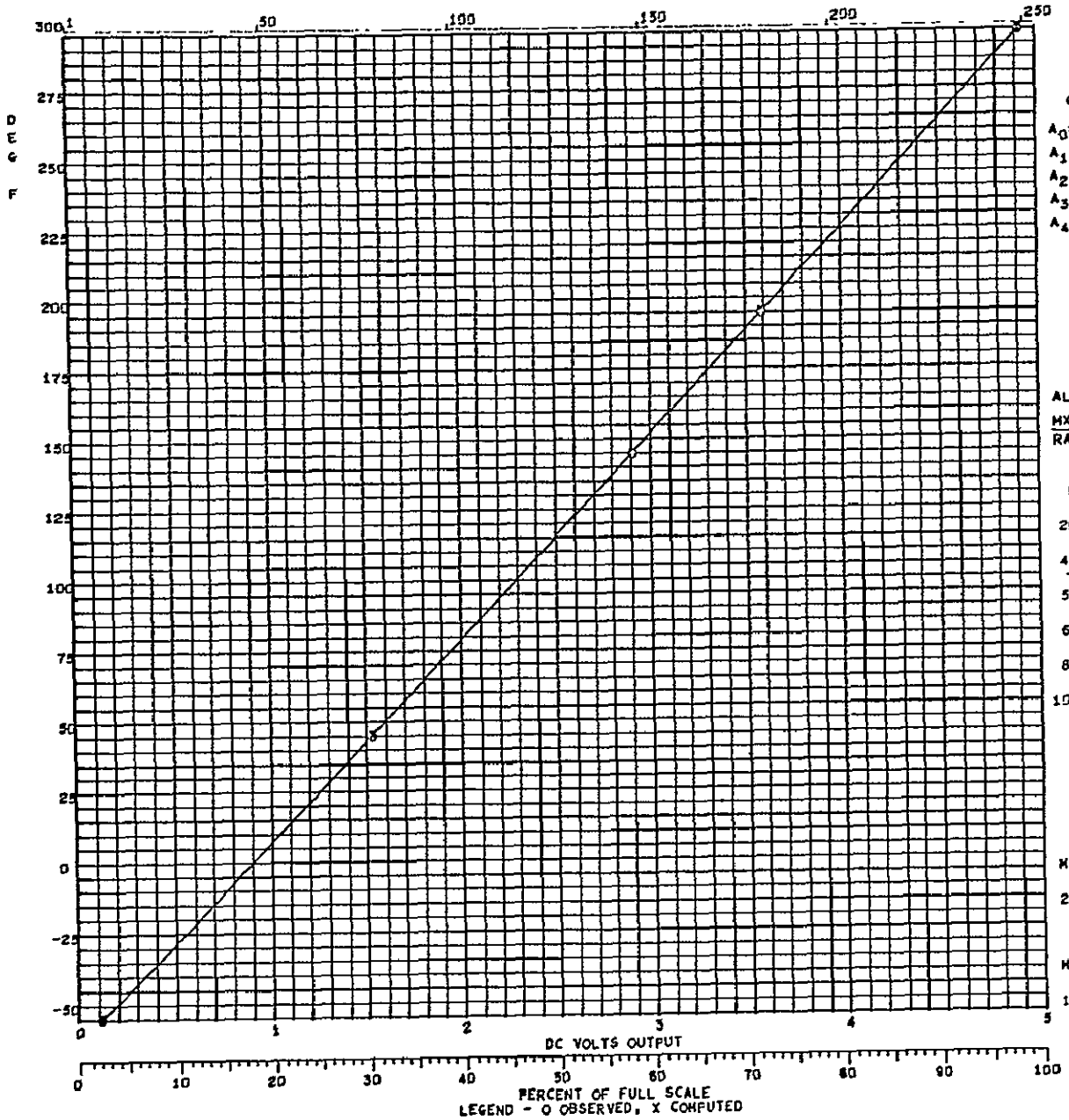
09/27/71
4 INSTALLATION DATE MARCH 17,1969
RAD INLET TEMP FC 1
CAL RANGE -50.0000 TO 299.999

SC-113

HARDWARE CALIB. NO. 76655 01 00 00

SERIAL NO. 10308612741A

=21515



EQUATION COEFFICIENTS

A_0= -5.766 E 01
A_1= 6.816 E 01
A_2= 2.094 E 00
A_3= -4.523 E-01
A_4= 4.433 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -5.766E 01
20% = 1.218E 01
40% = 8.412E 01
50% = 1.205E 02
60% = 1.570E 02
80% = 2.309E 02
100% = 3.066E 02

MEASUREMENT NO.
200SC2090T01

MEAS LOADING NO.
1044052 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

RAD INLET TEMP FC 1

MEASUREMENT NO. 200SC2090TD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612741A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

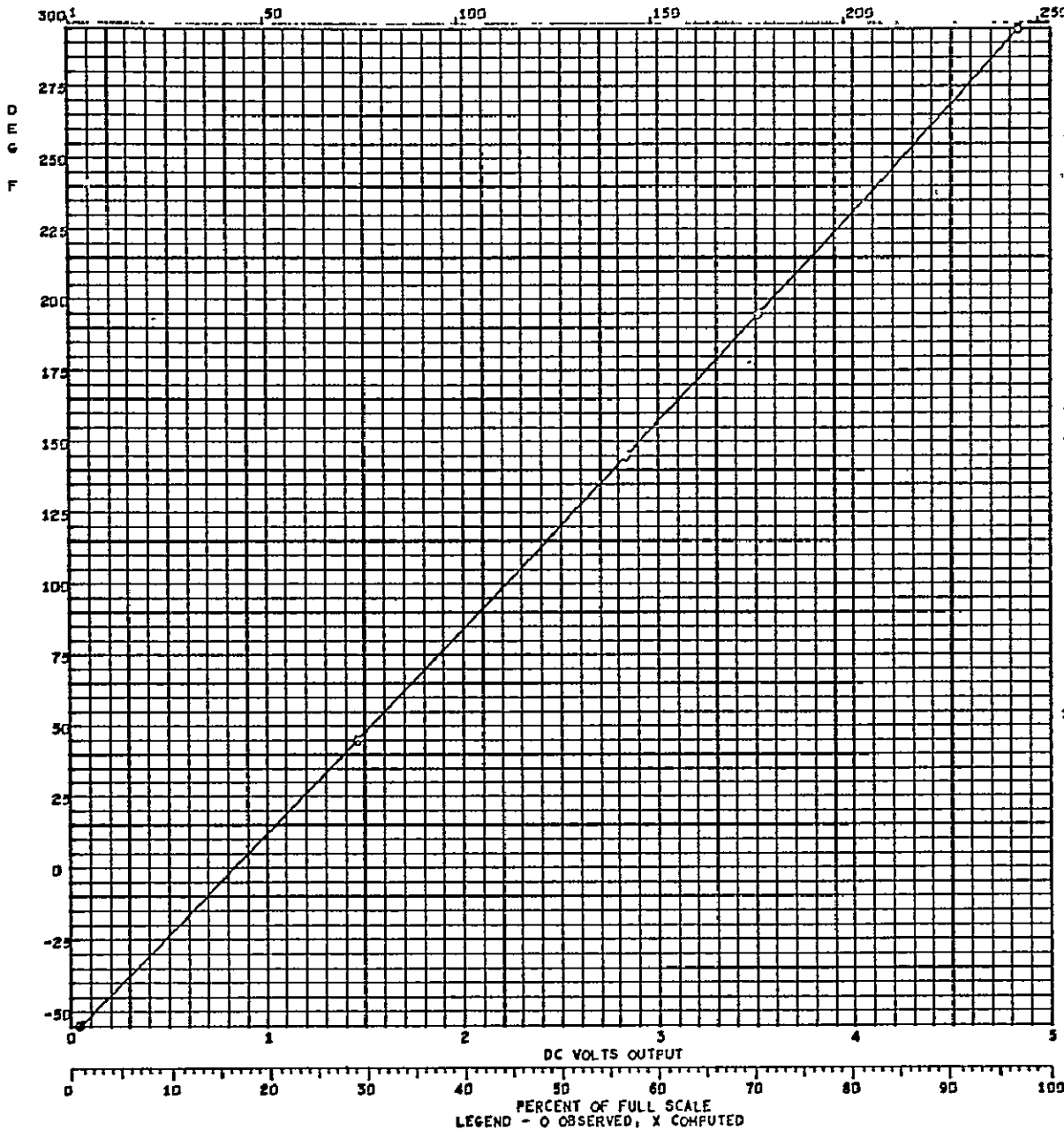
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-57.659	38	-6.866	75	45.282	112	98.181	149	151.530	186	205.333	223	259.898
2	-56.311	39	-5.471	76	46.704	113	99.618	150	152.978	187	206.796	224	261.388
3	-54.962	40	-4.075	77	48.126	114	101.055	151	154.426	188	208.259	225	262:879
4	-53.611	41	-2.679	78	49.549	115	102.492	152	155.874	189	209.723	226	264.372
5	-52.258	42	-1.281	79	50.973	116	103.929	153	157.322	190	211.187	227	265.865
6	-50.904	43	0.118	80	52.396	117	105.367	154	158.771	191	212.652	228	267.360
7	-49.549	44	1.518	81	53.821	118	106.805	155	160.220	192	214.118	229	268.855
8	-48.192	45	2.918	82	55.246	119	108.244	156	161.669	193	215.584	230	270.352
9	-46.833	46	4.319	83	56.671	120	109.683	157	163.119	194	217.050	231	271.849
10	-45.473	47	5.722	84	58.097	121	111.122	158	164.569	195	218.518	232	273.348
11	-44.111	48	7.125	85	59.523	122	112.561	159	166.020	196	219.985	233	274.848
12	-42.748	49	8.529	86	60.950	123	114.000	160	167.470	197	221.454	234	276.349
13	-41.384	50	9.933	87	62.377	124	115.440	161	168.922	198	222.923	235	277.851
14	-40.018	51	11.339	88	63.804	125	116.880	162	170.373	199	224.393	236	279.355
15	-38.651	52	12.745	89	65.232	126	118.321	163	171.825	200	225.863	237	280.859
16	-37.282	53	14.152	90	66.661	127	119.762	164	173.277	201	227.335	238	282.365
17	-35.912	54	15.560	91	68.090	128	121.203	165	174.730	202	228.807	239	283.872
18	-34.541	55	16.969	92	69.519	129	122.644	166	176.183	203	230.279	240	285.380
19	-33.169	56	18.378	93	70.949	130	124.086	167	177.636	204	231.752	241	286.890
20	-31.795	57	19.788	94	72.379	131	125.527	168	179.090	205	233.226	242	288.400
21	-30.420	58	21.199	95	73.809	132	126.970	169	180.544	206	234.701	243	289.913
22	-29 043	59	22.611	96	75.240	133	128.412	170	181.999	207	236.177	244	291.426
23	-27.666	60	24.023	97	76.671	134	129.855	171	183.454	208	237.653	245	292.941
24	-26.287	61	25.436	98	78.103	135	131.298	172	184.909	209	239.130	246	294.457
25	-24.907	62	26.849	99	79.535	136	132.741	173	186.365	210	240.608	247	295.974
26	-23.526	63	28.264	100	80.967	137	134.185	174	187.821	211	242.087	248	297.493
27	-22.144	64	29.678	101	82.400	138	135.628	175	189.278	212	243.566	249	299.013
28	-20.760	65	31.094	102	83.833	139	137.073	176	190.735	213	245.046	250	300.535
29	-19.376	66	32.510	103	85.266	140	138.517	177	192.193	214	246.527	251	302 058
30	-17.990	67	33.927	104	86.700	141	139.962	178	193.651	215	248.009	252	303.583
31	-16.603	68	35.344	105	88.134	142	141.407	179	195.110	216	249.492	253	305.109
32	-15.215	69	36.762	106	89.568	143	142.852	180	196.569	217	250.976	254	306.637
33	-13.826	70	38.181	107	91.003	144	144.298	181	198.028	218	252.461		
34	-12.436	71	39.600	108	92.438	145	145.744	182	199.488	219	253.946		
35	-11.045	72	41.020	109	93.873	146	147.190	183	200.949	220	255.433		
36	-9.653	73	42.440	110	95.309	147	148.636	184	202.410	221	256.920		
37	-8 260	74	43.861	111	96.745	148	150.083	185	203.871	222	258.408		

09/27/71
4 INSTALLATION DATE MARCH 17,1969
RAD INLET TEMP FC 2
CAL RANGE -50.0000 TO 299.999

SC-113

HARDWARE CALIB. NO. 76653 01 00 00
SERIAL NO. 10095602419W

=21515



EQUATION COEFFICIENTS

A_0= -5.293 E 01
A_1= 6.814 E 01
A_2= 2.091 E 00
A_3= -4.315 E-01
A_4= 4.189 E-02

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -5.293E 01
20% = 1.691E 01
40% = 8.893E 01
50% = 1.254E 02
60% = 1.621E 02
80% = 2.362E 02
100% = 3.123E 02

MEASUREMENT NO.
200SC2091T01

MEAS LOADING NO.
1044984 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

RAD INLET TEMP FC 2

MEASUREMENT NO. 200SC2091T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095602419W
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-52.934	38	-2.147	75	50.032	112	103.023	149	156.530	186	210.549	223	265,360
2	-51.586	39	-0.752	76	51.456	113	104.463	150	157.983	187	212.018	224	266.857
3	-50 237	40	0.645	77	52.880	114	105.903	151	159.436	188	213.487	225	268.355
4	-48 887	41	2.042	78	54.305	115	107.344	152	160.889	189	214.957	226	269.854
5	-47.534	42	3.440	79	55.730	116	108.785	153	162.343	190	216.428	227	271.354
6	-46.181	43	4.839	80	57.155	117	110.226	154	163.797	191	217.900	228	272.855
7	-44.825	44	6.239	81	58.582	118	111.668	155	165.251	192	219.372	229	274.357
8	-43.468	45	7.640	82	60.008	119	113.110	156	166.706	193	220 844	230	275.860
9	-42.110	46	9.042	83	61.436	120	114.553	157	168.161	194	222.317	231	277.365
10	-40.750	47	10.444	84	62.863	121	115.995	158	169.617	195	223.791	232	278.870
11	-39.389	48	11.848	85	64.292	122	117.438	159	171.073	196	225.266	233	280.376
12	-38.026	49	13.252	86	65.720	123	118.882	160	172.529	197	226.741	234	281.884
13	-36.662	50	14.658	87	67.150	124	120.326	161	173.986	198	228.217	235	283.393
14	-35.297	51	16.064	88	68.579	125	121.770	162	175.443	199	229.693	236	284.903
15	-33.930	52	17.471	89	70.010	126	123.214	163	176.901	200	231.170	237	286.414
16	-32.561	53	18.878	90	71.440	127	124.659	164	178.358	201	232.648	238	287.926
17	-31.192	54	20.287	91	72.871	128	126.104	165	179.817	202	234.127	239	289.440
18	-29.821	55	21.696	92	74.303	129	127.550	166	181.276	203	235.606	240	290.954
19	-28.448	56	23.107	93	75.735	130	128.996	167	182.735	204	237.086	241	292.470
20	-27.075	57	24.517	94	77.168	131	130.442	168	184.194	205	238.567	242	293.987
21	-25.700	58	25.929	95	78.600	132	131.888	169	185.655	206	240.048	243	295.506
22	-24.324	59	27.342	96	80.034	133	133.335	170	187.115	207	241.530	244	297.026
23	-22.946	60	28.755	97	81.468	134	134.782	171	188.576	208	243.013	245	298.547
24	-21.568	61	30.169	98	82.902	135	136.230	172	190.037	209	244.497	246	300.069
25	-20.188	62	31.583	99	84.336	136	137.678	173	191.499	210	245.982	247	301.593
26	-18.807	63	32.998	100	85.772	137	139.126	174	192.962	211	247.467	248	303.118
27	-17.425	64	34.414	101	87.207	138	140.574	175	194.425	212	248.954	249	304.644
28	-16.041	65	35.831	102	88.643	139	142.023	176	195.888	213	250.441	250	306.172
29	-14.657	66	37.248	103	90.079	140	143.472	177	197.352	214	251.928	251	307.702
30	-13.271	67	38.666	104	91.516	141	144.922	178	198.816	215	253.417	252	309.232
31	-11.884	68	40.085	105	92.953	142	146.372	179	200.281	216	254.907	253	310.764
32	-10.496	69	41.504	106	94.390	143	147.822	180	201.746	217	256.397	254	312.298
33	-9.107	70	42.924	107	95 828	144	149.272	181	203.212	218	257.889		
34	-7.717	71	44.344	108	97.266	145	150.723	182	204.678	219	259 381		
35	-6.326	72	45.766	109	98.705	146	152.174	183	206.145	220	260.874		
36	-4.934	73	47.187	110	100.144	147	153.626	184	207.612	221	262.368		
37	-3.541	74	48.610	111	101.583	148	155.078	185	209.080	222	263.864		

09/27/71

4 INSTALLATION DATE MARCH 17,1969

RAD INLET TEMP FC 3

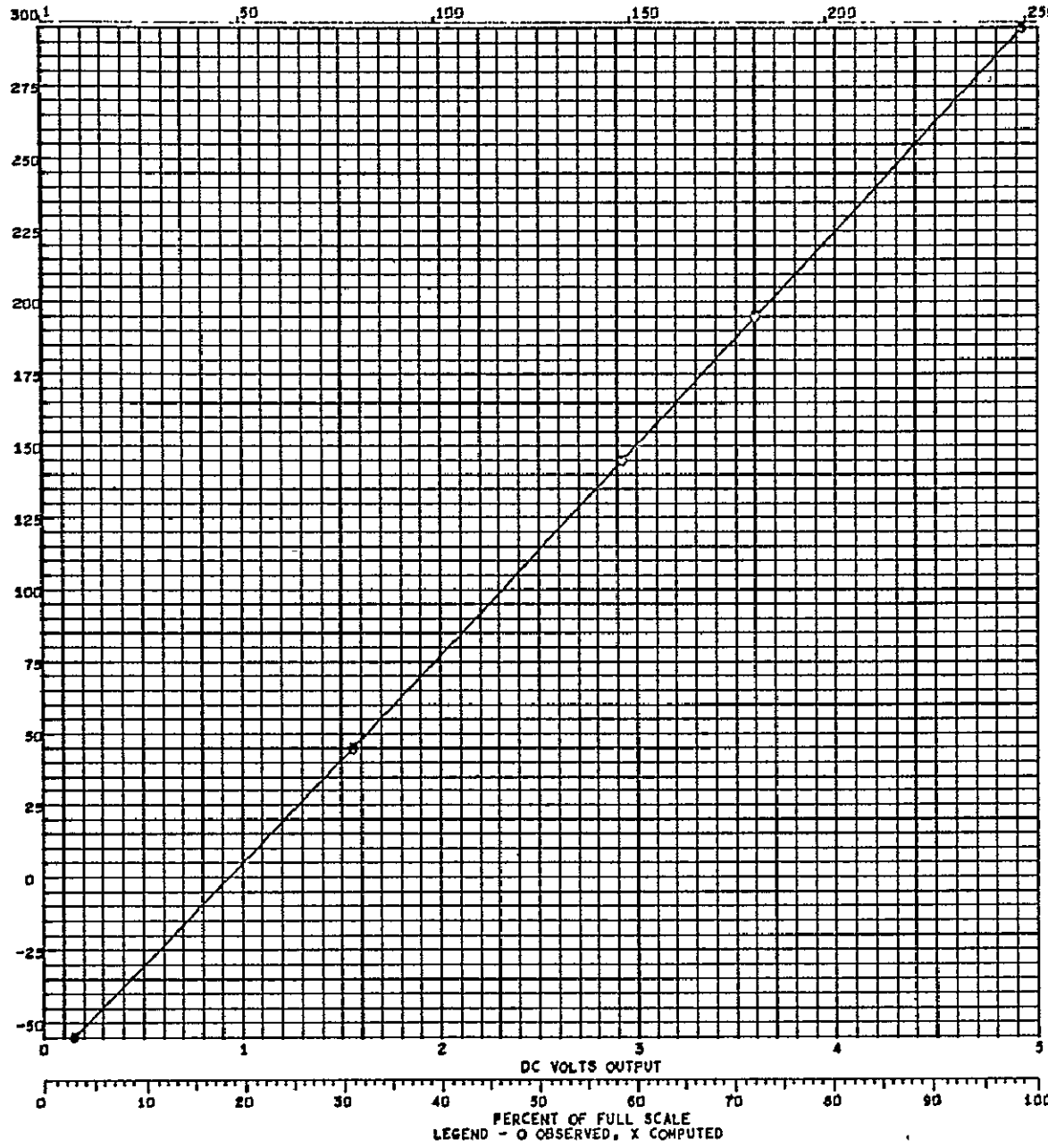
CAL RANGE -50.0000 TO 299.999

SC-113

HARDWARE CALIB. NO. 76654 01 00 00

SERIAL NO. 1030861274DA

=21515



EQUATION COEFFICIENTS

A_0= -6.019 E 01

A_1= 6.859 E 01

A_2= 1.811 E 00

A_3= -3.319 E-01

A_4= 3.142 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% =-6.019E 01

20% = 9.911E 00

40% = 8.208E 01

50% = 1.186E 02

60% = 1.555E 02

80% = 2.300E 02

100% = 3.062E 02

MEASUREMENT NO.

200SC2092T01

MEAS LOADING NO.

1023052 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

RAD INLET TEMP FC 3

MEASUREMENT NO. 2005C2092TD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612740A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-60.190	38	-9.187	75	43.099	112	96.214	149	149.919	186	204.189	223	259 215
2	-58.834	39	-7.789	76	44.525	113	97.659	150	151.378	187	205.664	224	260.716
3	-57.476	40	-6.389	77	45.952	114	99.103	151	152.837	188	207.141	225	262.218
4	-56.117	41	-4.988	78	47.380	115	100.549	152	154.297	189	208.618	226	263.721
5	-54.757	42	-3.587	79	48.807	116	101.994	153	155.757	190	210.095	227	265.225
6	-53.395	43	-2.184	80	50.236	117	103.440	154	157.218	191	211.574	228	266.729
7	-52.032	44	-0.781	81	51.665	118	104.886	155	158.679	192	213.052	229	268.235
8	-50.667	45	0.623	82	53.095	119	106.333	156	160.140	193	214.532	230	269.741
9	-49.302	46	2.028	83	54.525	120	107.780	157	161.602	194	216.011	231	271.248
10	-47.935	47	3.434	84	55.956	121	109.228	158	163.064	195	217.492	232	272.756
11	-46.566	48	4.840	85	57.387	122	110.676	159	164.526	196	218.973	233	274.265
12	-45.197	49	6.248	86	58.819	123	112.124	160	165.990	197	220.455	234	275.775
13	-43.826	50	7.656	87	60.251	124	113.573	161	167.453	198	221.937	235	277.286
14	-42.454	51	9.065	88	61.684	125	115.022	162	168.917	199	223.420	236	278.798
15	-41.081	52	10.475	89	63.117	126	116.472	163	170.381	200	224.903	237	280.311
16	-39.706	53	11.886	90	64.551	127	117.922	164	171.846	201	226.387	238	281.825
17	-38.330	54	13.297	91	65.985	128	119.372	165	173.311	202	227.872	239	283.340
18	-36.954	55	14.709	92	67.420	129	120.823	166	174.777	203	229.358	240	284.856
19	-35.575	56	16.122	93	68.855	130	122.274	167	176.243	204	230.844	241	286.373
20	-34.196	57	17.536	94	70.291	131	123.725	168	177.709	205	232.330	242	287.891
21	-32.816	58	18.950	95	71.727	132	125.177	169	179.176	206	233.818	243	289.410
22	-31.434	59	20.365	96	73.164	133	126.629	170	180.644	207	235.306	244	290.930
23	-30.052	60	21.781	97	74.602	134	128.082	171	182.112	208	236.795	245	292.451
24	-28.668	61	23.198	98	76.039	135	129.535	172	183.580	209	238.284	246	293.973
25	-27.283	62	24.615	99	77.477	136	130.989	173	185.049	210	239.774	247	295.497
26	-25.897	63	26.033	100	78.916	137	132.442	174	186.518	211	241.265	248	297.021
27	-24.511	64	27.452	101	80.355	138	133.897	175	187.988	212	242.757	249	298.547
28	-23.123	65	28.871	102	81.795	139	135.351	176	189.458	213	244.249	250	300.073
29	-21.734	66	30.291	103	83.235	140	136.806	177	190.929	214	245.742	251	301.601
30	-20.343	67	31.711	104	84.675	141	138.262	178	192.400	215	247.236	252	303.130
31	-18.952	68	33.133	105	86.116	142	139.717	179	193.872	216	248.731	253	304.661
32	-17.560	69	34.555	106	87.557	143	141.174	180	195.344	217	250.226	254	306.192
33	-16.167	70	35.977	107	88.999	144	142.630	181	196.817	218	251.722		
34	-14.773	71	37.400	108	90.441	145	144.087	182	198.290	219	253.219		
35	-13.378	72	38.824	109	91.884	146	145.544	183	199.764	220	254.717		
36	-11.982	73	40.249	110	93.327	147	147.002	184	201.238	221	256.216		
37	-10.585	74	41.674	111	94.771	148	148.460	185	202.713	222	257.715		

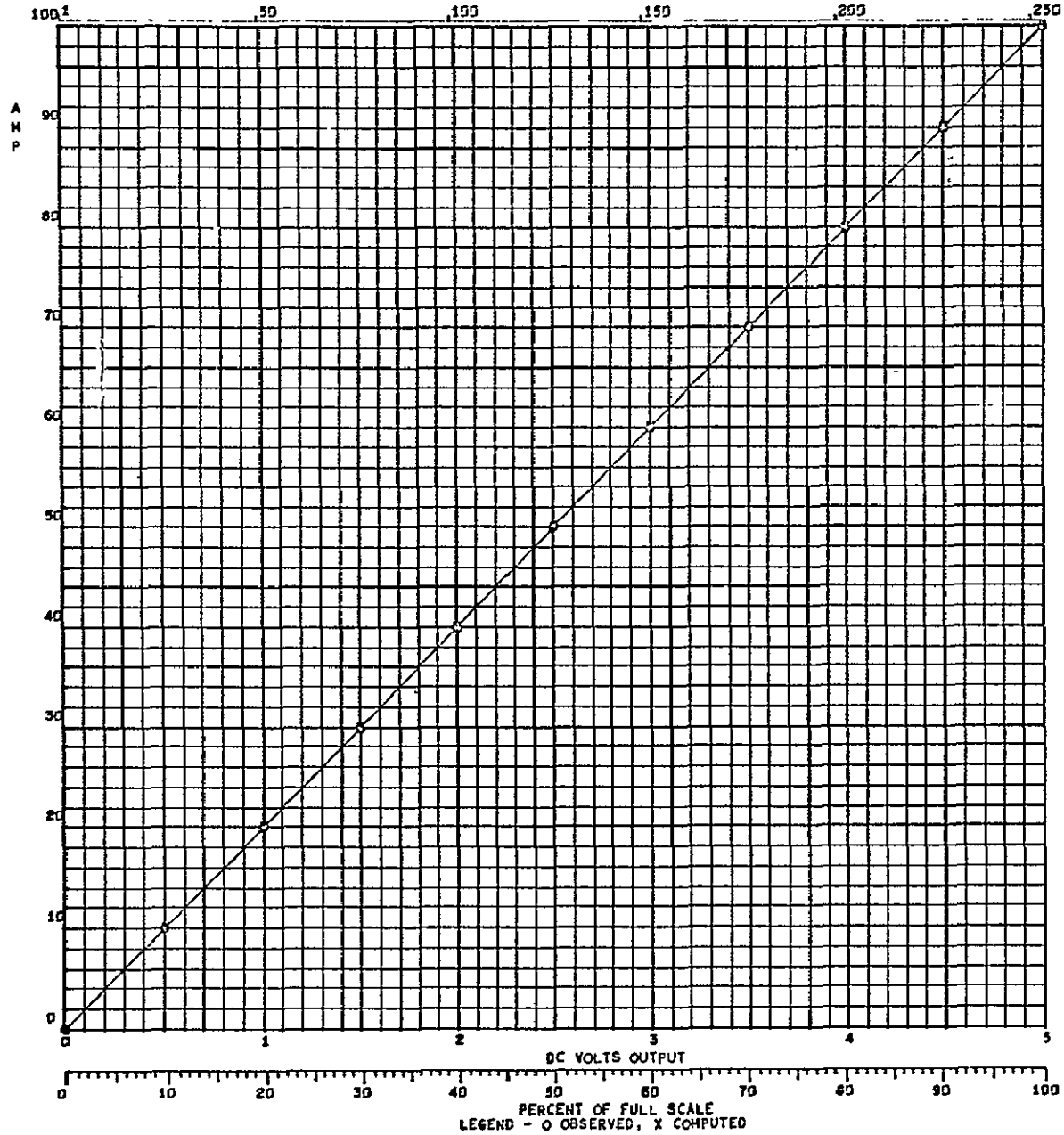
09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC CURRENT FC 1 OUTPUT
CAL RANGE .014060 TO 99.9859

SC-113

HARDWARE CALIB. NO.
75735 01
81440 01
00

SERIAL NO.
N/A
089761112003

=21515



EQUATION COEFFICIENTS

A_0= 1.406 E-02
A_1= 1.999 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 1.406E-02
20% = 2.001E 01
40% = 4.000E 01
50% = 5.000E 01
60% = 6.000E 01
80% = 7.999E 01
100% = 9.999E 01

MEASUREMENT NO.
200SC2113C01

MEAS LOADING NO.
1103012 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

DC CURRENT FC 1 OUTPUT

MEASUREMENT NO. 200SC2113C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 089781112003
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	0.014	38	14.634	75	29.255	112	43.875	149	58.496	186	73.116	223	87.736
2	0.409	39	15.030	76	29.650	113	44.270	150	58.891	187	73.511	224	88.132
3	0.804	40	15.425	77	30.045	114	44.666	151	59.286	188	73.906	225	88.527
4	1.199	41	15.820	78	30.440	115	45.061	152	59.681	189	74.301	226	88.922
5	1.595	42	16.215	79	30.835	116	45.456	153	60.076	190	74.697	227	89.317
6	1.990	43	16.610	80	31.231	117	45.851	154	60.471	191	75.092	228	89.712
7	2.385	44	17.005	81	31.626	118	46.246	155	60.866	192	75.487	229	90.107
8	2.780	45	17.400	82	32.021	119	46.641	156	61.262	193	75.882	230	90.502
9	3.175	46	17.796	83	32.416	120	47.036	157	61.657	194	76.277	231	90 898
10	3.570	47	18.191	84	32.811	121	47.432	158	62.052	195	76.672	232	91.293
11	3.966	48	18.586	85	33.206	122	47.827	159	62.447	196	77.067	233	91.688
12	4.361	49	18.981	86	33.601	123	48.222	160	62.842	197	77.463	234	92.083
13	4.756	50	19.376	87	33.997	124	48.617	161	63.237	198	77.858	235	92.478
14	5.151	51	19.771	88	34.392	125	49.012	162	63.633	199	78.253	236	92.873
15	5.546	52	20.166	89	34.787	126	49.407	163	64.028	200	78.648	237	93.268
16	5.941	53	20.562	90	35.182	127	49.802	164	64.423	201	79.043	238	93.664
17	6.336	54	20.957	91	35.577	128	50.198	165	64.818	202	79.438	239	94.059
18	6.732	55	21.352	92	35.972	129	50.593	166	65.213	203	79.833	240	94.454
19	7.127	56	21.747	93	36.367	130	50.988	167	65.608	204	80 229	241	94.849
20	7.522	57	22.142	94	36.763	131	51.383	168	66.003	205	80.624	242	95.244
21	7.917	58	22.537	95	37.158	132	51.778	169	66.399	206	81.019	243	95.639
22	8.312	59	22.933	96	37.553	133	52.173	170	66.794	207	81.414	244	96.034
23	8.707	60	23.328	97	37.948	134	52.568	171	67.189	208	81.809	245	96.430
24	9.102	61	23.723	98	38.343	135	52.964	172	67.584	209	82.204	246	96.825
25	9.498	62	24.118	99	38.738	136	53.359	173	67.979	210	82.599	247	97.220
26	9.893	63	24.513	100	39.133	137	53.754	174	68.374	211	82.995	248	97.615
27	10.288	64	24.908	101	39.529	138	54.149	175	68.769	212	83.390	249	98.010
28	10.683	65	25.303	102	39.924	139	54.544	176	69.165	213	83.785	250	98.405
29	11.078	66	25.699	103	40.319	140	54.939	177	69.560	214	84.180	251	98.800
30	11.473	67	26.094	104	40.714	141	55.334	178	69.955	215	84.575	252	99.196
31	11.868	68	26.489	105	41.109	142	55.730	179	70.350	216	84.970	253	99.591
32	12.264	69	26.884	106	41.504	143	56.125	180	70.745	217	85.366	254	99.986
33	12.659	70	27.279	107	41.899	144	56.520	181	71.140	218	85.761		
34	13.054	71	27.674	108	42.295	145	56.915	182	71.535	219	86.156		
35	13.449	72	28.069	109	42.690	146	57.310	183	71.931	220	86.551		
36	13.844	73	28.465	110	43.085	147	57.705	184	72.326	221	86.946		
37	14.239	74	28.860	111	43.480	148	58.100	185	72.721	222	87.341		

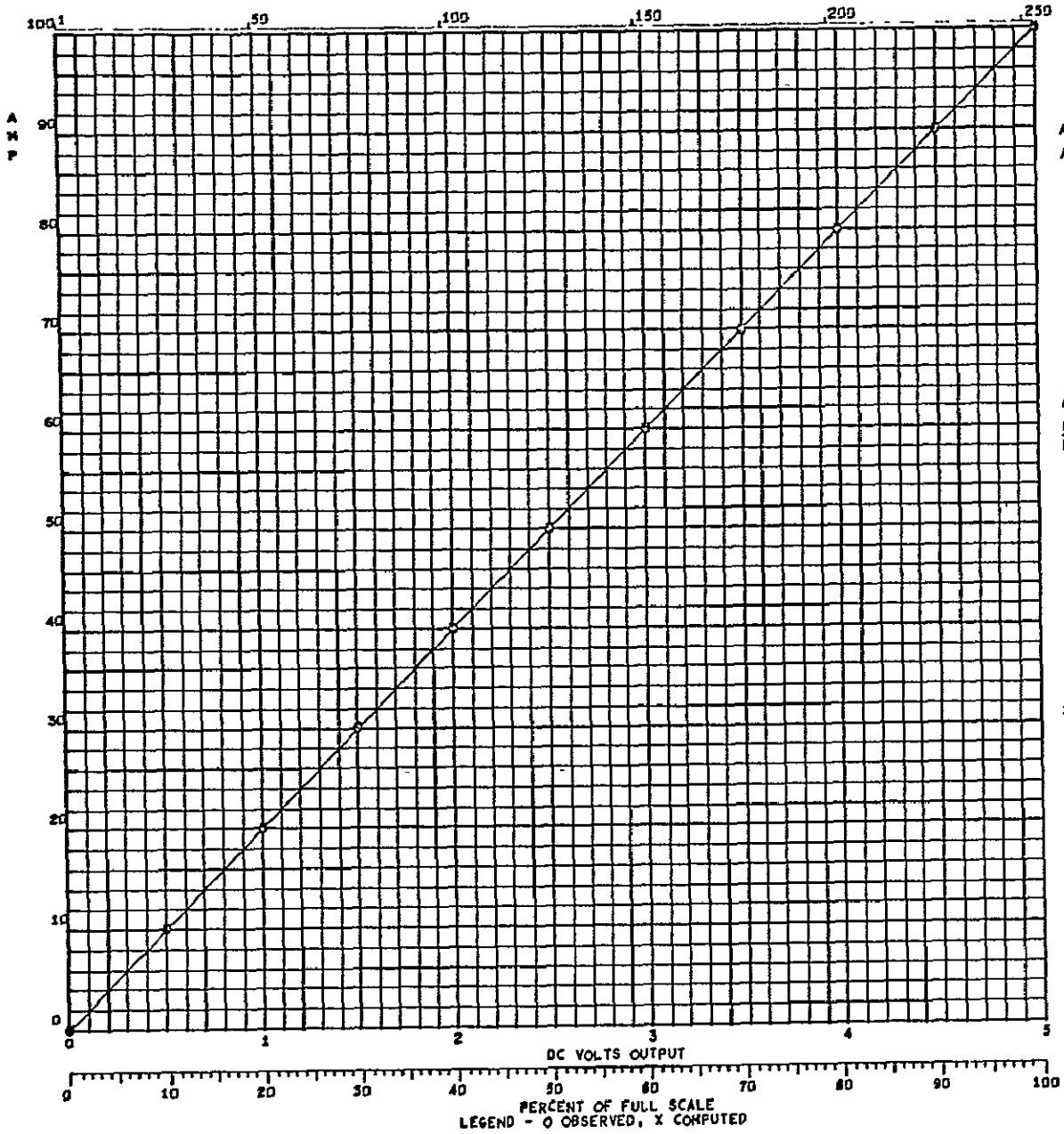
09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC CURRENT FC 2/SM BATT
CAL RANGE .051962 TO 99.9480

SC-113

HARDWARE CALIB. NO.
75734 01
81441 01
00

SERIAL NO.
N/A
089781112003

#21515



EQUATION COEFFICIENTS

A_0= 5.196 E-02
A_1= 1.998 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 5.196E-02
20% = 2.003E 01
40% = 4.001E 01
60% = 5.999E 01
80% = 7.997E 01
100% = 9.995E 01

MEASUREMENT NO.
20DSC2114C01

MEAS LOADING NO.
1103043 12 29

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

DC CURRENT FC 2/SH BATT

MEASUREMENT NO. 200SC2114C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 0697811120035
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	0.052	38	14.661	75	29.271	112	43.880	149	58.489	186	73.098	223	87.708
2	0.447	39	15.056	76	29.665	113	44.275	150	58.884	187	73.493	224	88.103
3	0.842	40	15.451	77	30.060	114	44.670	151	59.279	188	73.888	225	88.497
4	1.236	41	15.846	78	30.455	115	45.064	152	59.674	189	74.283	226	88.892
5	1.631	42	16.241	79	30.850	116	45.459	153	60.069	190	74.678	227	89.287
6	2.026	43	16.635	80	31.245	117	45.854	154	60.463	191	75.073	228	89.682
7	2.421	44	17.030	81	31.640	118	46.249	155	60.858	192	75.468	229	90.077
8	2.816	45	17.425	82	32.034	119	46.644	156	61.253	193	75.862	230	90.472
9	3.211	46	17.820	83	32.429	120	47.039	157	61.648	194	76.257	231	90.867
10	3.606	47	18.215	84	32.824	121	47.435	158	62.043	195	76.652	232	91.261
11	4.000	48	18 610	85	33.219	122	47.828	159	62.438	196	77.047	233	91.656
12	4.395	49	19.005	86	33.614	123	48.223	160	62.832	197	77.442	234	92.051
13	4.790	50	19.399	87	34.009	124	48.618	161	63.227	198	77.837	235	92.446
14	5.185	51	19.794	88	34.404	125	49.013	162	63.622	199	78.231	236	92.841
15	5.580	52	20.189	89	34.798	126	49.408	163	64.017	200	78.626	237	93.236
16	5.975	53	20.584	90	35.193	127	49.803	164	64.412	201	79.021	238	93.630
17	6.369	54	20.979	91	35.588	128	50.197	165	64.807	202	79.416	239	94.025
18	6.764	55	21.374	92	35.983	129	50.592	166	65.202	203	79.811	240	94.420
19	7.159	56	21.768	93	36.378	130	50.987	167	65.596	204	80.206	241	94.815
20	7.554	57	22.163	94	36.773	131	51.382	168	65.991	205	80.601	242	95.210
21	7.949	58	22.558	95	37.167	132	51.777	169	66.386	206	80.995	243	95.605
22	8.344	59	22.953	96	37.562	133	52.172	170	66.781	207	81.390	244	96.000
23	8.739	60	23.348	97	37.957	134	52.566	171	67.176	208	81.785	245	96.394
24	9.133	61	23.743	98	38.352	135	52.961	172	67.571	209	82.180	246	96.789
25	9.528	62	24.138	99	38.747	136	53.356	173	67.965	210	82.575	247	97.184
26	9.923	63	24.532	100	39.142	137	53.751	174	68.360	211	82.970	248	97.579
27	10.318	64	24.927	101	39.537	138	54.146	175	68.755	212	83.364	249	97.974
28	10.713	65	25.322	102	39.931	139	54.541	176	69.150	213	83.759	250	98.369
29	11.108	66	25.717	103	40.326	140	54.936	177	69.545	214	84.154	251	98.763
30	11.502	67	26.112	104	40.721	141	55.330	178	69.940	215	84.549	252	99.158
31	11.897	68	26.507	105	41.116	142	55.725	179	70.335	216	84.944	253	99.553
32	12.292	69	26.901	106	41.511	143	56.120	180	70.729	217	85.339	254	99.948
33	12.687	70	27.296	107	41.906	144	56.515	181	71.124	218	85.734		
34	13.082	71	27.691	108	42.300	145	56.910	182	71.519	219	86.128		
35	13.477	72	28.086	109	42.695	146	57.305	183	71.914	220	86.523		
36	13.872	73	28.481	110	43.090	147	57.699	184	72.309	221	86.918		
37	14.266	74	28.876	111	43.485	148	58.094	185	72.704	222	87.313		

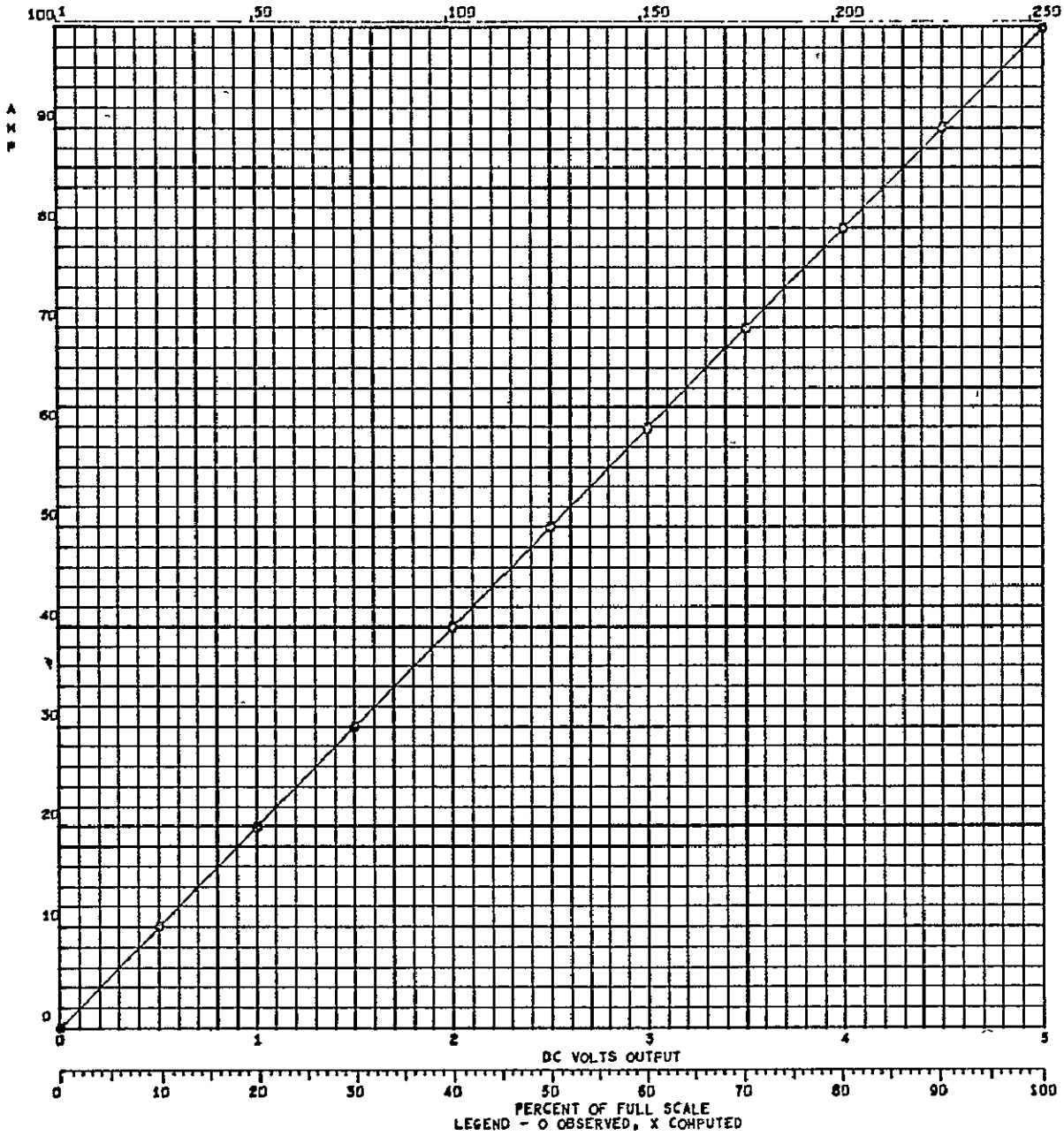
09/27/71
1 INSTALLATION DATE OCT. 1,1969
DC CURRENT FC 3 OUTPUT
V CAL RANGE .000007 TO 99.9400

SC-113

HARDWARE CALIB. NO.
75735 01
81442 01
00

SERIAL NO.
N/A
089761112118

=21515



EQUATION COEFFICIENTS

A_0= 7.189 E-06
A_1= 1.999 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 7.189E-06
20% = 1.999E 01
40% = 3.998E 01
50% = 4.997E 01
60% = 5.996E 01
80% = 7.995E 01
100% = 9.994E 01

MEASUREMENT NO.
200SC2115C01

MEAS LOADING NO.
1103044 12 29

6 055

8-19

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

DC CURRENT FC 3 OUTPUT

MEASUREMENT NO. 202SC2115C01
VEHICLE SC-113
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 089781112118
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/31/69

CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP	CNT	AMP
1	0.000	38	14.616	75	29.231	112	43.847	149	58.463	186	73.079	223	87.694
2	0.395	39	15.011	76	29.626	113	44.242	150	58.858	187	73.474	224	88.089
3	0.790	40	15.406	77	30.021	114	44.637	151	59.253	188	73.869	225	88.484
4	1.185	41	15.801	78	30.417	115	45.032	152	59.648	189	74.264	226	88.879
5	1.580	42	16.196	79	30.812	116	45.427	153	60.043	190	74.659	227	89.274
6	1.975	43	16.591	80	31.207	117	45.822	154	60.438	191	75.054	228	89.669
7	2.370	44	16.986	81	31.602	118	46.217	155	60.833	192	75.449	229	90.064
8	2.765	45	17.381	82	31.997	119	46.612	156	61.228	193	75.844	230	90.460
9	3.160	46	17.776	83	32.392	120	47.007	157	61.623	194	76.239	231	90.855
10	3.555	47	18.171	84	32.787	121	47.402	158	62.018	195	76.634	232	91.250
11	3.950	48	18.566	85	33.182	122	47.797	159	62.413	196	77.029	233	91.645
12	4.345	49	18.961	86	33.577	123	48.192	160	62.808	197	77.424	234	92.040
13	4.740	50	19.356	87	33.972	124	48.587	161	63.203	198	77.819	235	92.435
14	5.135	51	19.751	88	34.367	125	48.982	162	63.598	199	78.214	236	92.830
15	5.530	52	20.146	89	34.762	126	49.377	163	63.993	200	78.609	237	93.225
16	5.925	53	20.541	90	35.157	127	49.772	164	64.388	201	79.004	238	93.620
17	6.320	54	20.936	91	35.552	128	50.167	165	64.783	202	79.399	239	94.015
18	6.715	55	21.331	92	35.947	129	50.563	166	65.178	203	79.794	240	94.410
19	7.110	56	21.726	93	36.342	130	50.958	167	65.573	204	80.189	241	94.805
20	7.505	57	22.121	94	36.737	131	51.353	168	65.968	205	80.584	242	95.200
21	7.900	58	22.516	95	37.132	132	51.748	169	66.363	206	80.979	243	95.595
22	8.295	59	22.911	96	37.527	133	52.143	170	66.758	207	81.374	244	95.990
23	8.690	60	23.306	97	37.922	134	52.538	171	67.153	208	81.769	245	96.385
24	9.085	61	23.701	98	38.317	135	52.933	172	67.548	209	82.164	246	96.780
25	9.480	62	24.096	99	38.712	136	53.328	173	67.943	210	82.559	247	97.175
26	9.875	63	24.491	100	39.107	137	53.723	174	68.338	211	82.954	248	97.570
27	10.271	64	24.886	101	39.502	138	54.118	175	68.733	212	83.349	249	97.965
28	10.666	65	25.281	102	39.897	139	54.513	176	69.128	213	83.744	250	98.360
29	11.061	66	25.676	103	40.292	140	54.908	177	69.523	214	84.139	251	98.755
30	11.456	67	26.071	104	40.687	141	55.303	178	69.918	215	84.534	252	99.150
31	11.851	68	26.466	105	41.082	142	55.698	179	70.313	216	84.929	253	99.545
32	12.246	69	26.861	106	41.477	143	56.093	180	70.709	217	85.324	254	99.940
33	12.641	70	27.256	107	41.872	144	56.488	181	71.104	218	85.719		
34	13.036	71	27.651	108	42.267	145	56.883	182	71.499	219	86.114		
35	13.431	72	28.046	109	42.662	146	57.278	183	71.894	220	86.509		
36	13.826	73	28.441	110	43.057	147	57.673	184	72.289	221	86.904		
37	14.221	74	28.836	111	43.452	148	58.068	185	72.684	222	87.299		

09/27/71

S INSTALLATION DATE JAN. 15,1969

FLOW RATE H2 FC 1

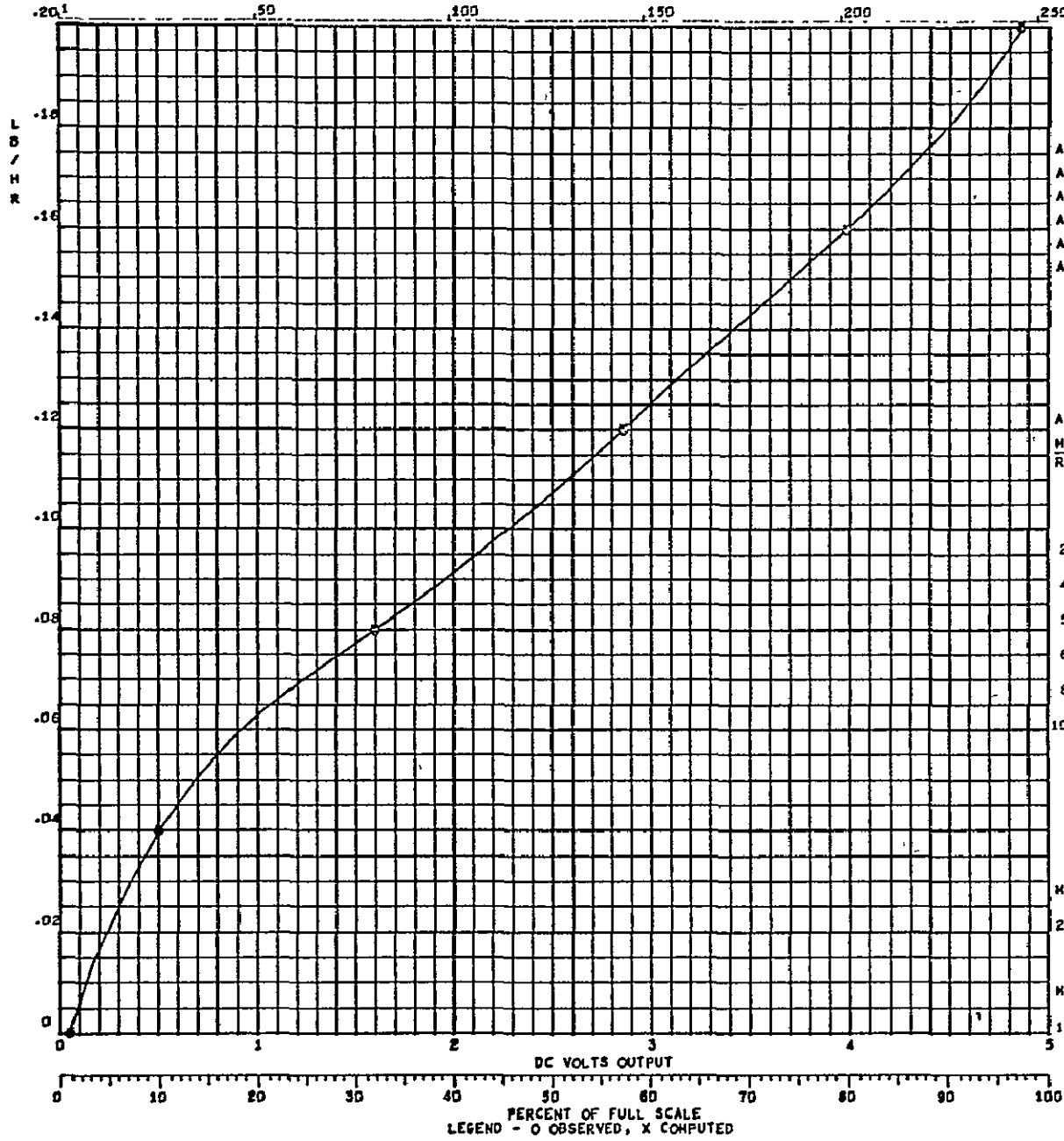
CAL RANGE -.000000 TO .200003

SC-113

HARDWARE CALIB. NO. 04685 03 00 00

SERIAL NO. 07666REC2148

#21515



EQUATION COEFFICIENTS

A_0= -5.444 E-03

A_1= 1.276 E-01

A_2= -9.038 E-02

A_3= 3.773 E-02

A_4= -7.212 E-03

A_5= 5.209 E-04

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% =-5.444E-03

20% = 6.285E-02

40% = 9.141E-02

50% = 1.074E-01

60% = 1.251E-01

80% = 1.608E-01

100% = 2.096E-01

MEASUREMENT NO.

200SC2139R01

MEAS LOADING NO.

1103017 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FLOW RATE H2 FC 1

MEASUREMENT NO. 200SC2139RD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 07686REC2148
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/15/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	-0.005	38	0.052	75	0.076	112	0.097	149	0.122	186	0.149	223	0.176
2	-0.005	39	0.053	76	0.077	113	0.098	150	0.123	187	0.149	224	0.176
3	-0.001	40	0.054	77	0.077	114	0.099	151	0.124	188	0.150	225	0.177
4	0.002	41	0.055	78	0.078	115	0.099	152	0.125	189	0.151	226	0.178
5	0.004	42	0.056	79	0.079	116	0.100	153	0.125	190	0.151	227	0.179
6	0.006	43	0.057	80	0.079	117	0.101	154	0.126	191	0.152	228	0.180
7	0.008	44	0.057	81	0.080	118	0.101	155	0.127	192	0.153	229	0.181
8	0.011	45	0.058	82	0.080	119	0.102	156	0.127	193	0.153	230	0.182
9	0.013	46	0.059	83	0.081	120	0.102	157	0.128	194	0.154	231	0.183
10	0.015	47	0.060	84	0.081	121	0.103	158	0.129	195	0.155	232	0.184
11	0.017	48	0.060	85	0.082	122	0.104	159	0.130	196	0.156	233	0.185
12	0.018	49	0.061	86	0.082	123	0.104	160	0.130	197	0.156	234	0.186
13	0.020	50	0.062	87	0.083	124	0.105	161	0.131	198	0.157	235	0.187
14	0 022	51	0.062	88	0.083	125	0.106	162	0.132	199	0.158	236	0.188
15	0.024	52	0.063	89	0.084	126	0.106	163	0.132	200	0.158	237	0.189
16	0.025	53	0.064	90	0.084	127	0.107	164	0.133	201	0.159	238	0.190
17	0.027	54	0.064	91	0.085	128	0.108	165	0.134	202	0.160	239	0.191
18	0.029	55	0.065	92	0.086	129	0.108	166	0.135	203	0.160	240	0.192
19	0.030	56	0.066	93	0.086	130	0.109	167	0.135	204	0.161	241	0.193
20	0.032	57	0.066	94	0.087	131	0.110	168	0.136	205	0.162	242	0.194
21	0.033	58	0.067	95	0.087	132	0.110	169	0.137	206	0.163	243	0.195
22	0.034	59	0.068	96	0.088	133	0.111	170	0.137	207	0.163	244	0.196
23	0.036	60	0.068	97	0.088	134	0.112	171	0.138	208	0.164	245	0.197
24	0.037	61	0.069	98	0.089	135	0.113	172	0.139	209	0.165	246	0.199
25	0.038	62	0.069	99	0.090	136	0.113	173	0.139	210	0.166	247	0.200
26	0.040	63	0.070	100	0.090	137	0.114	174	0.140	211	0.166	248	0.201
27	0.041	64	0.070	101	0.091	138	0.115	175	0.141	212	0.167	249	0.203
28	0.042	65	0.071	102	0.091	139	0.115	176	0.142	213	0.168	250	0.204
29	0.043	66	0.072	103	0.092	140	0.116	177	0.142	214	0.169	251	0.205
30	0.044	67	0.072	104	0.092	141	0.117	178	0.143	215	0.169	252	0.207
31	0.045	68	0.073	105	0.093	142	0.117	179	0.144	216	0.170	253	0 208
32	0.047	69	0.073	106	0.094	143	0.118	180	0.144	217	0.171	254	0.210
33	0.048	70	0.074	107	0.094	144	0.119	181	0.145	218	0.172		
34	0.049	71	0.074	108	0.095	145	0.120	182	0.146	219	0.172		
35	0.050	72	0.075	109	0.095	146	0.120	183	0.146	220	0.173		
36	0.051	73	0.075	110	0.096	147	0.121	184	0.147	221	0.174		
37	0.051	74	0.076	111	0.097	148	0.122	185	0.148	222	0.175		

09/27/71

5 INSTALLATION DATE JAN. 15,1969

FLOW RATE H2 FC 2

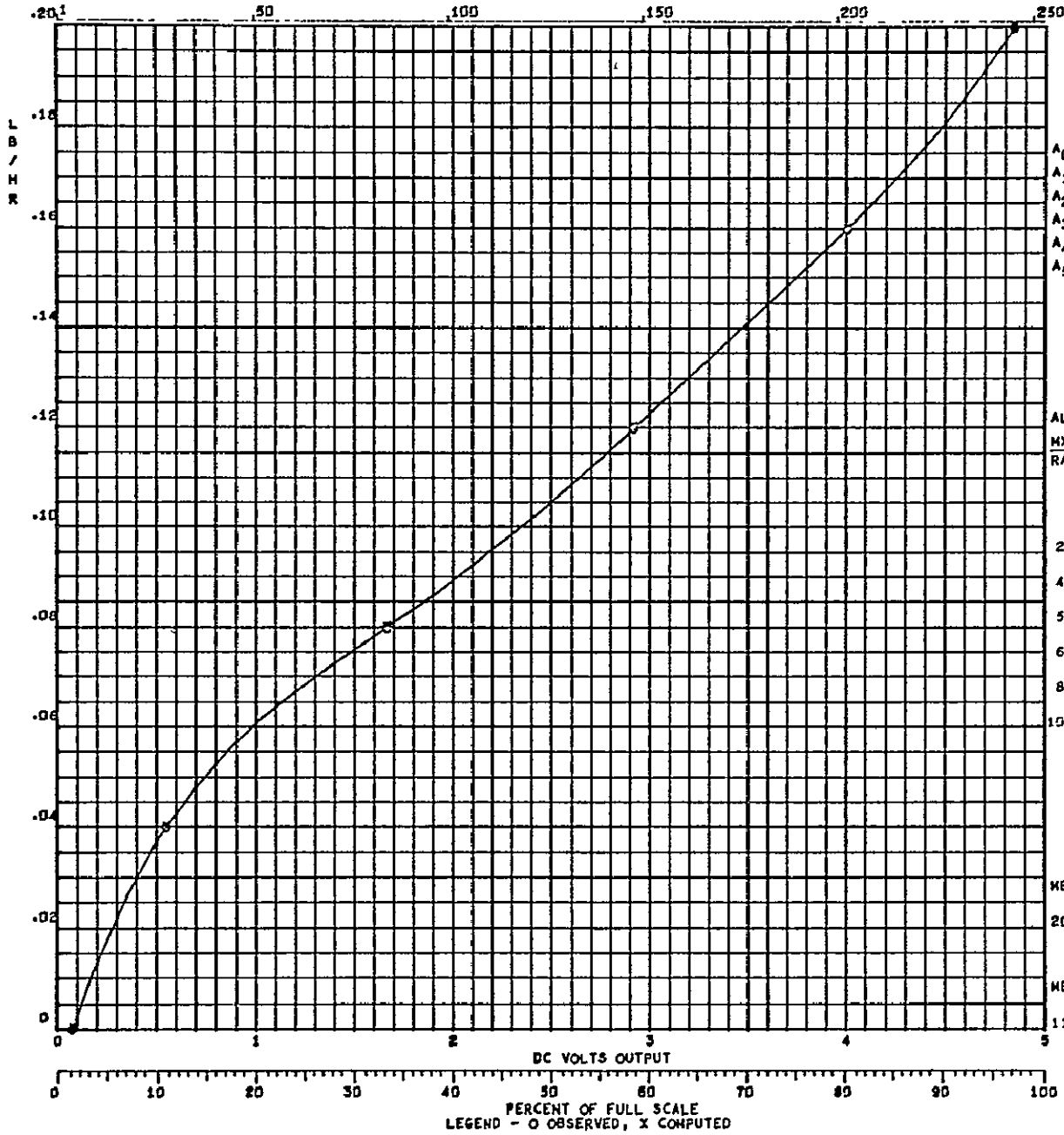
CAL RANGE -.000000 TO .200002

SC-113

HARDWARE CALIB. NO. 04609 03 00 00

SERIAL NO. 07686REC2106

=21515



EQUATION COEFFICIENTS

A_0= -8.792 E-03

A_1= 1.283 E-01

A_2= -8.678 E-02

A_3= 3.625 E-02

A_4= -6.805 E-03

A_5= 4.863 E-04

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -8.792E-03

20% = 6.067E-02

40% = 8.939E-02

50% = 1.052E-01

60% = 1.228E-01

80% = 1.598E-01

100% = 2.110E-01

MEASUREMENT NO.

200SC2140R01

MEAS LOADING NO.

1103025 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FLOW RATE H2 FC 2

MEASUREMENT NO. 200SC2140R01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0768REC2106
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/15/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	-0.009	38	0.050	75	0.074	112	0.095	149	0.120	186	0.147	223	0.176
2	-0 006	39	0.051	76	0.075	113	0.096	150	0.121	187	0.148	224	0.177
3	-0.004	40	0.052	77	0.076	114	0.096	151	0.122	188	0.148	225	0.178
4	-0.001	41	0.053	78	0.076	115	0.097	152	0.122	189	0.149	226	0.178
5	0.001	42	0.053	79	0.077	116	0.098	153	0.123	190	0.150	227	0.179
6	0.003	43	0.054	80	0.077	117	0.098	154	0.124	191	0.151	228	0.180
7	0.005	44	0.055	81	0.078	118	0.099	155	0.124	192	0.151	229	0.181
8	0.007	45	0.056	82	0 078	119	0.100	156	0.125	193	0.152	230	0.182
9	0.009	46	0.057	83	0.079	120	0.100	157	0.126	194	0.153	231	0.183
10	0.011	47	0.057	84	0.079	121	0.101	158	0.127	195	0.154	232	0.184
11	0.013	48	0.058	85	0.080	122	0.102	159	0.127	196	0.154	233	0.185
12	0.015	49	0.059	86	0.080	123	0.102	160	0.128	197	0.155	234	0.186
13	0.017	50	0.060	87	0.081	124	0.103	161	0.129	198	0.156	235	0.187
14	0.019	51	0.060	88	0.081	125	0.104	162	0.129	199	0.157	236	0.188
15	0.021	52	0.061	89	0.082	126	0.104	163	0.130	200	0.157	237	0.189
16	0.022	53	0.062	90	0.083	127	0.105	164	0.131	201	0.158	238	0.190
17	0.024	54	0.062	91	0.083	128	0.106	165	0.132	202	0.159	239	0.192
18	0.026	55	0.063	92	0.084	129	0.106	166	0.132	203	0 160	240	0.193
19	0.027	56	0.064	93	0.084	130	0.107	167	0.133	204	0.160	241	0.194
20	0.029	57	0.064	94	0.085	131	0.108	168	0.134	205	0.161	242	0.195
21	0.030	58	0.065	95	0.085	132	0.108	169	0.135	206	0.162	243	0.196
22	0.032	59	0.065	96	0.086	133	0.109	170	0.135	207	0.163	244	0.197
23	0.033	60	0.066	97	0.086	134	0.110	171	0.136	208	0.163	245	0.199
24	0.034	61	0.067	98	0.087	135	0.110	172	0.137	209	0.164	246	0.200
25	0.036	62	0.067	99	0.088	136	0.111	173	0.137	210	0.165	247	0.201
26	0.037	63	0.068	100	0.088	137	0.112	174	0.138	211	0.166	248	0.203
27	0.038	64	0.068	101	0.089	138	0.112	175	0.139	212	0.167	249	0.204
28	0 039	65	0.069	102	0.089	139	0.113	176	0.140	213	0.167	250	0.205
29	0.041	66	0.070	103	0 090	140	0.114	177	0.140	214	0.168	251	0.207
30	0.042	67	0.070	104	0.090	141	0.114	178	0.141	215	0.169	252	0.208
31	0.043	68	0.071	105	0.091	142	0.115	179	0.142	216	0.170	253	0.210
32	0.044	69	0.071	106	0.092	143	0.116	180	0.143	217	0.171	254	0.211
33	0.045	70	0.072	107	0.092	144	0.117	181	0.143	218	0.171		
34	0.046	71	0.072	108	0.093	145	0.117	182	0.144	219	0.172		
35	0.047	72	0.073	109	0.093	146	0.118	183	0.145	220	0.173		
36	0.048	73	0.073	110	0.094	147	0.119	184	0.145	221	0.174		
37	0.049	74	0.074	111	0.095	148	0.119	185	0.146	222	0.175		

09/27/71

S INSTALLATION DATE JAN. 15,1969

FLOW RATE H2 FC 3

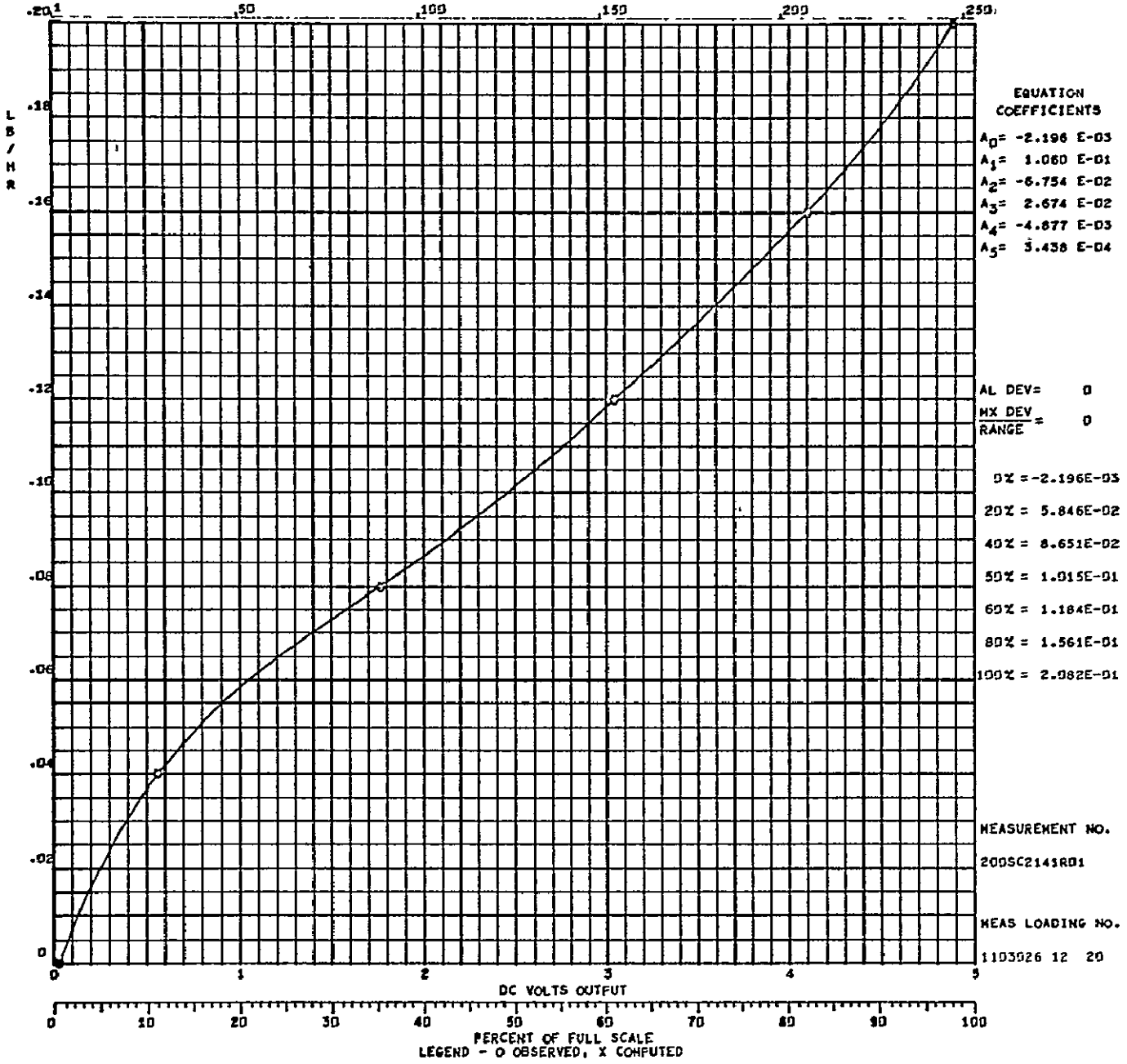
V CAL RANGE -.000000 TO .200002

SC-113

HARDWARE CALIB. NO. 57344 03 00 00

SERIAL NO. 07686REC2072

±21515



EQUATION COEFFICIENTS

A_0= -2.196 E-03

A_1= 1.060 E-01

A_2= -6.754 E-02

A_3= 2.674 E-02

A_4= -4.877 E-03

A_5= 3.438 E-04

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -2.196E-03

20% = 5.846E-02

40% = 8.651E-02

50% = 1.015E-01

60% = 1.184E-01

80% = 1.561E-01

100% = 2.082E-01

MEASUREMENT NO.

200SC2141R01

MEAS LOADING NO.

1103026 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FLOW RATE H2 FC 3

MEASUREMENT NO. 203SC2141R01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0768REC2072
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/15/69

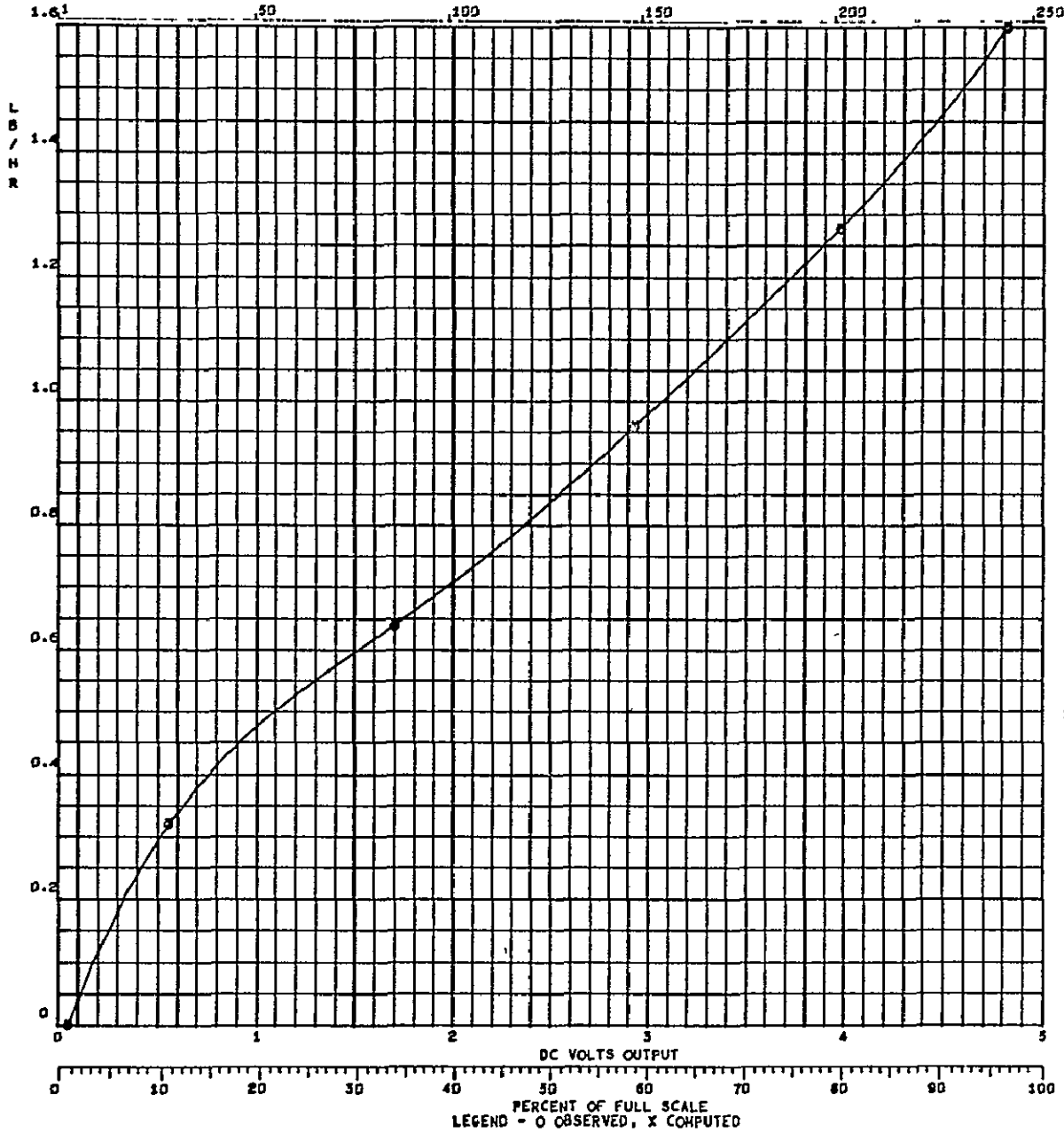
CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	-0.002	36	0.048	75	0.072	112	0.092	149	0.116	186	0.143	223	0.173
2	-0.000	39	0.049	76	0.073	113	0.093	150	0.116	187	0.143	224	0.174
3	0.002	40	0.050	77	0.073	114	0.093	151	0.117	188	0.144	225	0.175
4	0.004	41	0.051	78	0.074	115	0.094	152	0.118	189	0.145	226	0.176
5	0.006	42	0.052	79	0.074	116	0.094	153	0.119	190	0.146	227	0.177
6	0.008	43	0.052	80	0.075	117	0.095	154	0.119	191	0.146	228	0.178
7	0.009	44	0.053	81	0.075	118	0.096	155	0.120	192	0.147	229	0.179
8	0.011	45	0.054	82	0.076	119	0.096	156	0.121	193	0.148	230	0.180
9	0.013	46	0.055	83	0.076	120	0.097	157	0.121	194	0.149	231	0.181
10	0.015	47	0.055	84	0.077	121	0.097	158	0.122	195	0.149	232	0.182
11	0.016	48	0.056	85	0.077	122	0.098	159	0.123	196	0.150	233	0.183
12	0.018	49	0.057	86	0.078	123	0.099	160	0.123	197	0.151	234	0.184
13	0.019	50	0.057	87	0.078	124	0.099	161	0.124	198	0.152	235	0.185
14	0.021	51	0.058	88	0.079	125	0.100	162	0.125	199	0.153	236	0.186
15	0.022	52	0.059	89	0.079	126	0.101	163	0.126	200	0.153	237	0.187
16	0.024	53	0.059	90	0.080	127	0.101	164	0.126	201	0.154	238	0.188
17	0.025	54	0.060	91	0.080	128	0.102	165	0.127	202	0.155	239	0.189
18	0.027	55	0.061	92	0.081	129	0.102	166	0.128	203	0.156	240	0.190
19	0.028	56	0.061	93	0.081	130	0.103	167	0.128	204	0.157	241	0.191
20	0.029	57	0.062	94	0.082	131	0.104	168	0.129	205	0.157	242	0.193
21	0.031	58	0.062	95	0.083	132	0.104	169	0.130	206	0.158	243	0.194
22	0.032	59	0.063	96	0.083	133	0.105	170	0.131	207	0.159	244	0.195
23	0.033	60	0.064	97	0.084	134	0.106	171	0.131	208	0.160	245	0.196
24	0.034	61	0.064	98	0.084	135	0.106	172	0.132	209	0.161	246	0.197
25	0.035	62	0.065	99	0.085	136	0.107	173	0.133	210	0.161	247	0.199
26	0.037	63	0.065	100	0.085	137	0.108	174	0.134	211	0.162	248	0.200
27	0.038	64	0.066	101	0.086	138	0.108	175	0.134	212	0.163	249	0.201
28	0.039	65	0.067	102	0.086	139	0.109	176	0.135	213	0.164	250	0.203
29	0.040	66	0.067	103	0.087	140	0.110	177	0.136	214	0.165	251	0.204
30	0.041	67	0.068	104	0.088	141	0.110	178	0.137	215	0.166	252	0.205
31	0.042	68	0.068	105	0.088	142	0.111	179	0.137	216	0.167	253	0.207
32	0.043	69	0.069	106	0.089	143	0.112	180	0.138	217	0.168	254	0.208
33	0.044	70	0.069	107	0.089	144	0.112	181	0.139	218	0.168		
34	0.045	71	0.070	108	0.090	145	0.113	182	0.140	219	0.169		
35	0.046	72	0.070	109	0.090	146	0.114	183	0.140	220	0.170		
36	0.047	73	0.071	110	0.091	147	0.114	184	0.141	221	0.171		
37	0.047	74	0.071	111	0.092	148	0.115	185	0.142	222	0.172		

09/27/71
5 INSTALLATION DATE JAN. 15,1969
FLOW RATE O2 FC 1
CAL RANGE -.000000 TO 1.60001

SC-113

HARDWARE CALIB. NO. 57707 03 00 00
SERIAL NO. 07686REC1145

=21515



EQUATION COEFFICIENTS

A_0= -4.400 E-02
A_1= 9.275 E-01
A_2= -5.136 E-01
A_3= 2.481 E-01
A_4= -4.605 E-02
A_5= 3.267 E-03

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -4.400E-02
20% = 4.753E-01
40% = 7.096E-01
50% = 8.374E-01
60% = 9.800E-01
80% = 1 286E 00
100% = 1.700E 00

MEASUREMENT NO.
200SC2142R01

MEAS LOADING NO.
1103027 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FLOW RATE OX FC 1

MEASUREMENT NO. 200SC2142R01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0768GREC1145
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/15/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	-0.044	38	0.391	75	0.588	112	0.757	149	0.958	186	1.178	223	1.419
2	-0.026	39	0.398	76	0.592	113	0.762	150	0.964	187	1.185	224	1.426
3	-0.008	40	0.405	77	0.596	114	0.767	151	0.970	188	1.191	225	1.434
4	0.009	41	0.411	78	0.601	115	0.772	152	0.975	189	1.197	226	1.441
5	0.026	42	0.418	79	0.605	116	0.777	153	0.981	190	1.203	227	1.449
6	0.042	43	0.424	80	0.610	117	0.782	154	0.987	191	1.209	228	1.456
7	0.058	44	0.431	81	0.614	118	0.787	155	0.993	192	1.215	229	1.464
8	0.073	45	0 437	82	0.618	119	0.793	156	0.999	193	1.221	230	1.472
9	0.088	46	0.443	83	0.623	120	0.798	157	1.005	194	1.228	231	1.480
10	0.103	47	0.449	84	0.627	121	0.803	158	1.011	195	1.234	232	1.488
11	0.117	48	0.455	85	0.632	122	0.808	159	1.016	196	1.240	233	1.496
12	0.131	49	0.461	86	0.636	123	0.813	160	1.022	197	1.246	234	1.504
13	0.145	50	0.466	87	0.640	124	0.819	161	1.028	198	1.252	235	1.513
14	0.158	51	0.472	88	0.645	125	0.824	162	1.034	199	1.259	236	1.521
15	0.171	52	0.477	89	0.649	126	0.829	163	1.040	200	1.265	237	1.530
16	0.183	53	0.483	90	0.654	127	0.835	164	1.046	201	1.271	238	1.538
17	0.195	54	0.488	91	0.658	128	0.840	165	1.052	202	1.278	239	1.547
18	0.207	55	0.493	92	0.663	129	0.845	166	1.058	203	1.284	240	1.556
19	0.219	56	0.499	93	0.667	130	0.851	167	1.064	204	1.290	241	1.565
20	0.230	57	0.504	94	0.672	131	0.856	168	1.070	205	1.297	242	1.575
21	0.241	58	0.509	95	0.676	132	0.862	169	1.076	206	1.303	243	1.584
22	0.252	59	0.514	96	0.681	133	0.867	170	1.082	207	1.310	244	1.594
23	0.262	60	0.519	97	0.685	134	0.873	171	1.088	208	1.316	245	1.604
24	0.272	61	0.523	98	0.690	135	0.878	172	1.094	209	1.323	246	1.613
25	0.282	62	0.528	99	0.695	136	0.884	173	1.100	210	1.329	247	1.624
26	0.292	63	0.533	100	0.699	137	0.890	174	1.106	211	1.336	248	1.634
27	0.301	64	0.538	101	0.704	138	0.895	175	1.112	212	1.342	249	1.644
28	0.310	65	0.542	102	0.709	139	0.901	176	1.118	213	1.349	250	1.655
29	0.319	66	0.547	103	0.713	140	0.906	177	1.124	214	1.356	251	1.666
30	0.328	67	0.552	104	0.718	141	0.912	178	1.130	215	1.363	252	1.677
31	0.336	68	0.556	105	0.723	142	0.918	179	1.136	216	1.369	253	1.688
32	0.345	69	0.561	106	0.728	143	0.923	180	1.142	217	1.376	254	1.700
33	0.353	70	0.565	107	0.733	144	0.929	181	1.148	218	1.383		
34	0.361	71	0.570	108	0.737	145	0.935	182	1.154	219	1.390		
35	0.369	72	0.574	109	0.742	146	0.941	183	1.160	220	1.397		
36	0.376	73	0.579	110	0.747	147	0.946	184	1.166	221	1.404		
37	0.383	74	0.583	111	0.752	148	0.952	185	1.172	222	1.412		

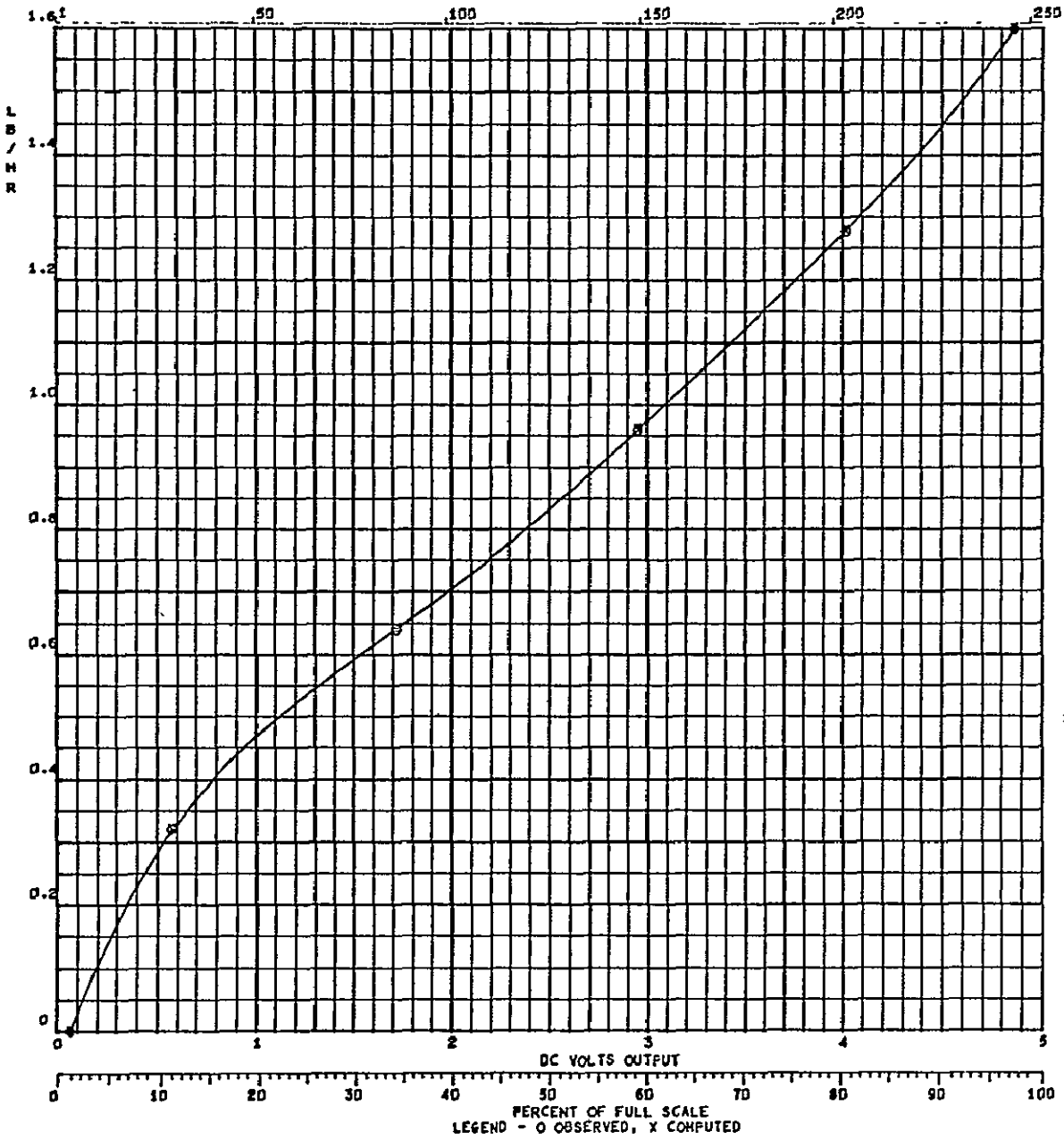
09/27/71
5 INSTALLATION DATE JAN. 15,1969
FLOW RATE O2 FC 2
CAL RANGE -.000000 TO 1.60000

SC-113

HARDWARE CALIB. NO. 57269 02 00 00

SERIAL NO. 07686REC1140

=21515



EQUATION COEFFICIENTS

A_0= -5.434 E-02
A_1= 9.267 E-01
A_2= -6.047 E-01
A_3= 2.424 E-01
A_4= -4.469 E-02
A_5= 3.152 E-03

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -5.434E-02
20% = 4.685E-01
40% = 7.059E-01
50% = 8.320E-01
60% = 9.731E-01
80% = 1.275E 00
100% = 1.675E 00

MEASUREMENT NO.
20DSC2143R01

MEAS LOADING NO.
1103028 12 29

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FLOW RATE O2 FC 2

MEASUREMENT NO. 200SC2143R01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 07686REC1140
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/15/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	-0.054	38	0.383	75	0.582	112	0.752	149	0.951	186	1.169	223	1.404
2	-0.036	39	0.390	76	0.587	113	0.757	150	0.957	187	1.175	224	1.411
3	-0.019	40	0.397	77	0.591	114	0.762	151	0.963	188	1.181	225	1.419
4	-0.001	41	0.404	78	0.596	115	0.767	152	0.968	189	1.187	226	1.426
5	0.015	42	0.410	79	0.600	116	0.772	153	0.974	190	1.193	227	1.433
6	0.032	43	0.417	80	0.605	117	0.777	154	0.980	191	1.199	228	1.441
7	0.047	44	0.423	81	0.609	118	0.782	155	0.986	192	1.205	229	1.448
8	0.063	45	0.430	82	0.613	119	0.788	156	0.992	193	1.211	230	1.456
9	0.078	46	0.436	83	0.618	120	0.793	157	0.997	194	1.217	231	1.463
10	0.093	47	0.442	84	0.622	121	0.798	158	1.003	195	1.223	232	1.471
11	0.107	48	0.448	85	0.627	122	0.803	159	1.009	196	1.229	233	1.479
12	0.121	49	0.454	86	0.631	123	0.808	160	1.015	197	1.235	234	1.487
13	0.135	50	0.460	87	0.636	124	0.813	161	1.021	198	1.242	235	1.495
14	0.148	51	0.465	88	0.640	125	0.819	162	1.027	199	1.248	236	1.503
15	0.161	52	0.471	89	0.645	126	0.824	163	1.032	200	1.254	237	1.512
16	0.173	53	0.476	90	0.649	127	0.829	164	1.038	201	1.260	238	1.520
17	0.185	54	0.482	91	0.654	128	0.835	165	1.044	202	1.266	239	1.528
18	0.197	55	0.487	92	0.658	129	0.840	166	1.050	203	1.272	240	1.537
19	0.209	56	0.492	93	0.663	130	0.845	167	1.056	204	1.279	241	1.546
20	0.220	57	0.497	94	0.667	131	0.851	168	1.062	205	1.285	242	1.555
21	0.231	58	0.502	95	0.672	132	0.856	169	1.068	206	1.291	243	1.564
22	0.242	59	0.508	96	0.676	133	0.862	170	1.074	207	1.298	244	1.573
23	0.253	60	0.513	97	0.681	134	0.867	171	1.080	208	1.304	245	1.583
24	0.263	61	0.517	98	0.685	135	0.873	172	1.086	209	1.310	246	1.592
25	0.273	62	0.522	99	0.690	136	0.878	173	1.091	210	1.317	247	1.602
26	0.283	63	0.527	100	0.695	137	0.884	174	1.097	211	1.323	248	1.612
27	0.292	64	0.532	101	0.699	138	0.889	175	1.103	212	1.330	249	1.622
28	0.301	65	0.537	102	0.704	139	0.895	176	1.109	213	1.336	250	1.632
29	0.310	66	0.541	103	0.709	140	0.900	177	1.115	214	1.343	251	1.642
30	0.319	67	0.546	104	0.713	141	0.906	178	1.121	215	1.349	252	1.653
31	0.328	68	0.551	105	0.718	142	0.912	179	1.127	216	1.356	253	1.664
32	0.336	69	0.555	106	0.723	143	0.917	180	1.133	217	1.363	254	1.675
33	0.344	70	0.560	107	0.728	144	0.923	181	1.139	218	1.370		
34	0.352	71	0.564	108	0.733	145	0.928	182	1.145	219	1.376		
35	0.360	72	0.569	109	0.738	146	0.934	183	1.151	220	1.383		
36	0.368	73	0.573	110	0.742	147	0.940	184	1.157	221	1.390		
37	0.375	74	0.578	111	0.747	148	0.946	185	1.163	222	1.397		

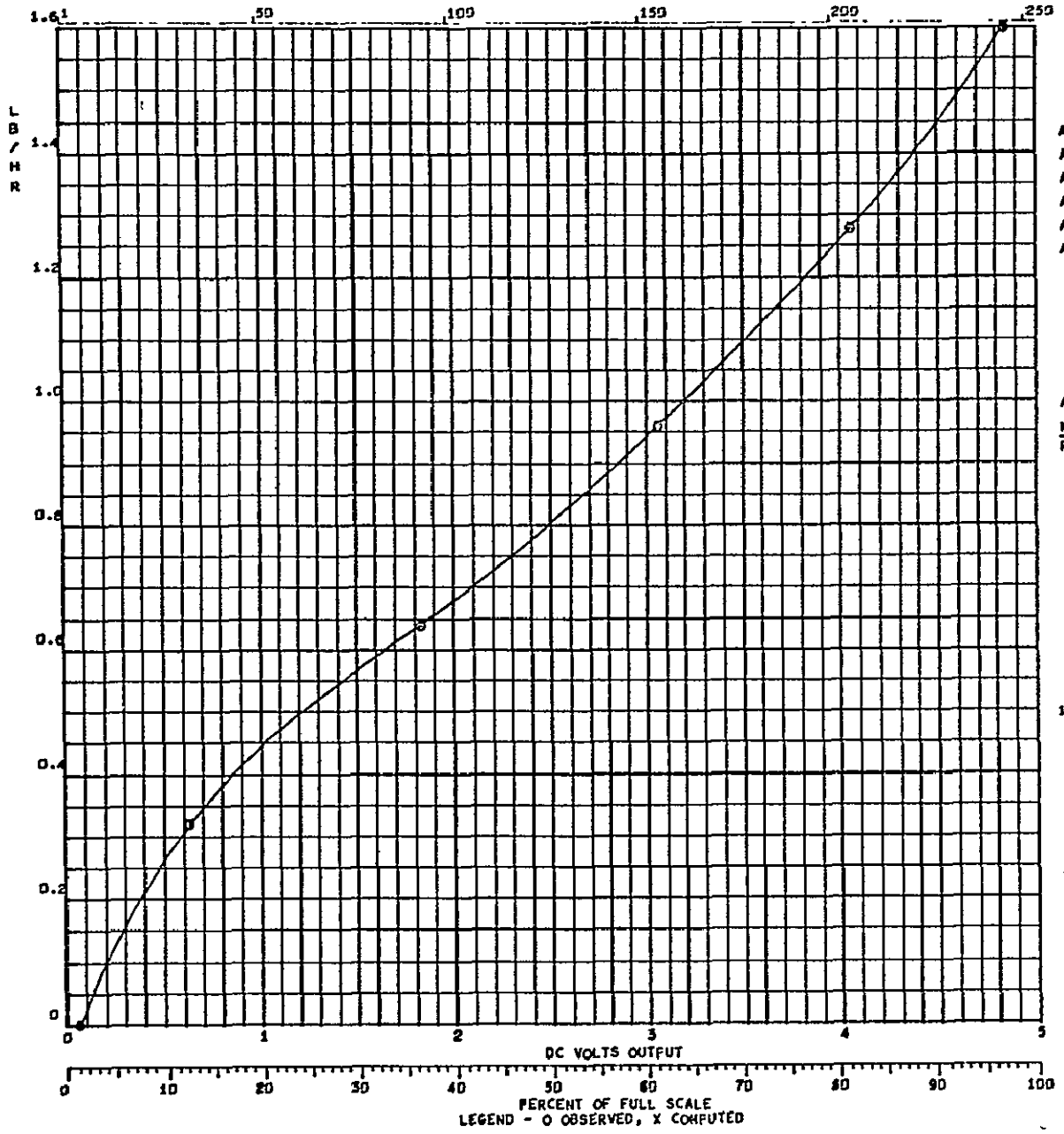
09/27/71
5 INSTALLATION DATE JAN. 15,1969
FLOW RATE O2 FC 3
CAL RANGE -.000000 TO 1.60001

SC-113

HARDWARE CALIB. NO. 56804 05 00 00

SERIAL NO. 07686REC1115

=21515



EQUATION COEFFICIENTS

A_0= -4.964 E-02
A_1= 8.446 E-01
A_2= -5.182 E-01
A_3= 2.006 E-01
A_4= -3.578 E-02
A_5= 2.481 E-03

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -4.964E-02
20% = 4.442E-01
40% = 6.790E-01
50% = 8.030E-01
60% = 9.426E-01
80% = 1.259E 00
100% = 1.688E 00

MEASUREMENT NO.
200SC2144R01

MEAS LOADING NO.
1103041 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FLOW RATE O2 FC 3

MEASUREMENT NO. 200SC2144R01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0768REC1115
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/15/69

CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1	-0.050	38	0.360	75	0.558	112	0.725	149	0.921	186	1.145	223	1.401
2	-0.033	39	0.367	76	0.562	113	0.730	150	0.926	187	1.151	224	1.409
3	-0.017	40	0.373	77	0.567	114	0.735	151	0.932	188	1.158	225	1.417
4	-0.001	41	0.380	78	0.571	115	0.740	152	0.938	189	1.164	226	1.425
5	0.014	42	0.387	79	0.576	116	0.745	153	0.944	190	1.171	227	1.433
6	0.029	43	0.393	80	0.580	117	0.750	154	0.950	191	1.177	228	1.441
7	0.044	44	0.399	81	0.584	118	0.755	155	0.955	192	1.184	229	1.449
8	0.058	45	0.406	82	0.589	119	0.760	156	0.961	193	1.190	230	1.457
9	0.072	46	0.412	83	0.593	120	0.765	157	0.967	194	1.197	231	1.466
10	0.085	47	0.418	84	0.598	121	0.770	158	0.973	195	1.203	232	1.474
11	0.099	48	0.424	85	0.602	122	0.775	159	0.979	196	1.210	233	1.483
12	0.111	49	0.430	86	0.606	123	0.780	160	0.985	197	1.216	234	1.491
13	0.124	50	0.435	87	0.611	124	0.785	161	0.991	198	1.223	235	1.500
14	0.136	51	0.441	88	0.615	125	0.790	162	0.997	199	1.230	236	1.509
15	0.148	52	0.446	89	0.620	126	0.795	163	1.003	200	1.236	237	1.518
16	0.160	53	0.452	90	0.624	127	0.800	164	1.009	201	1.243	238	1.527
17	0.172	54	0.457	91	0.628	128	0.806	165	1.015	202	1.250	239	1.536
18	0.183	55	0.462	92	0.633	129	0.811	166	1.021	203	1.257	240	1.545
19	0.194	56	0.468	93	0.637	130	0.816	167	1.027	204	1.264	241	1.554
20	0.204	57	0.473	94	0.642	131	0.821	168	1.033	205	1.270	242	1.564
21	0.215	58	0.478	95	0.646	132	0.827	169	1.039	206	1.277	243	1.573
22	0.225	59	0.483	96	0.651	133	0.832	170	1.045	207	1.284	244	1.583
23	0.235	60	0.488	97	0.655	134	0.837	171	1.051	208	1.291	245	1.593
24	0.245	61	0.493	98	0.660	135	0.843	172	1.057	209	1.298	246	1.603
25	0.254	62	0.498	99	0.664	136	0.848	173	1.063	210	1.305	247	1.613
26	0.263	63	0.503	100	0.669	137	0.854	174	1.070	211	1.312	248	1.623
27	0.272	64	0.507	101	0.673	138	0.859	175	1.076	212	1.320	249	1.634
28	0.281	65	0.512	102	0.678	139	0.865	176	1.082	213	1.327	250	1.644
29	0.290	66	0.517	103	0.683	140	0.870	177	1.088	214	1.334	251	1.655
30	0.298	67	0.522	104	0.687	141	0.876	178	1.094	215	1.341	252	1.666
31	0.307	68	0.526	105	0.692	142	0.881	179	1.101	216	1.349	253	1.677
32	0.315	69	0.531	106	0.697	143	0.887	180	1.107	217	1.356	254	1.688
33	0.323	70	0.535	107	0.701	144	0.892	181	1.113	218	1.363		
34	0.330	71	0.540	108	0.706	145	0.898	182	1.119	219	1.371		
35	0.338	72	0.544	109	0.711	146	0.904	183	1.126	220	1.378		
36	0.345	73	0.549	110	0.716	147	0.909	184	1.132	221	1.386		
37	0.353	74	0.553	111	0.720	148	0.915	185	1.139	222	1.394		

09/27/71

3 INSTALLATION DATE FEB. 9,1961

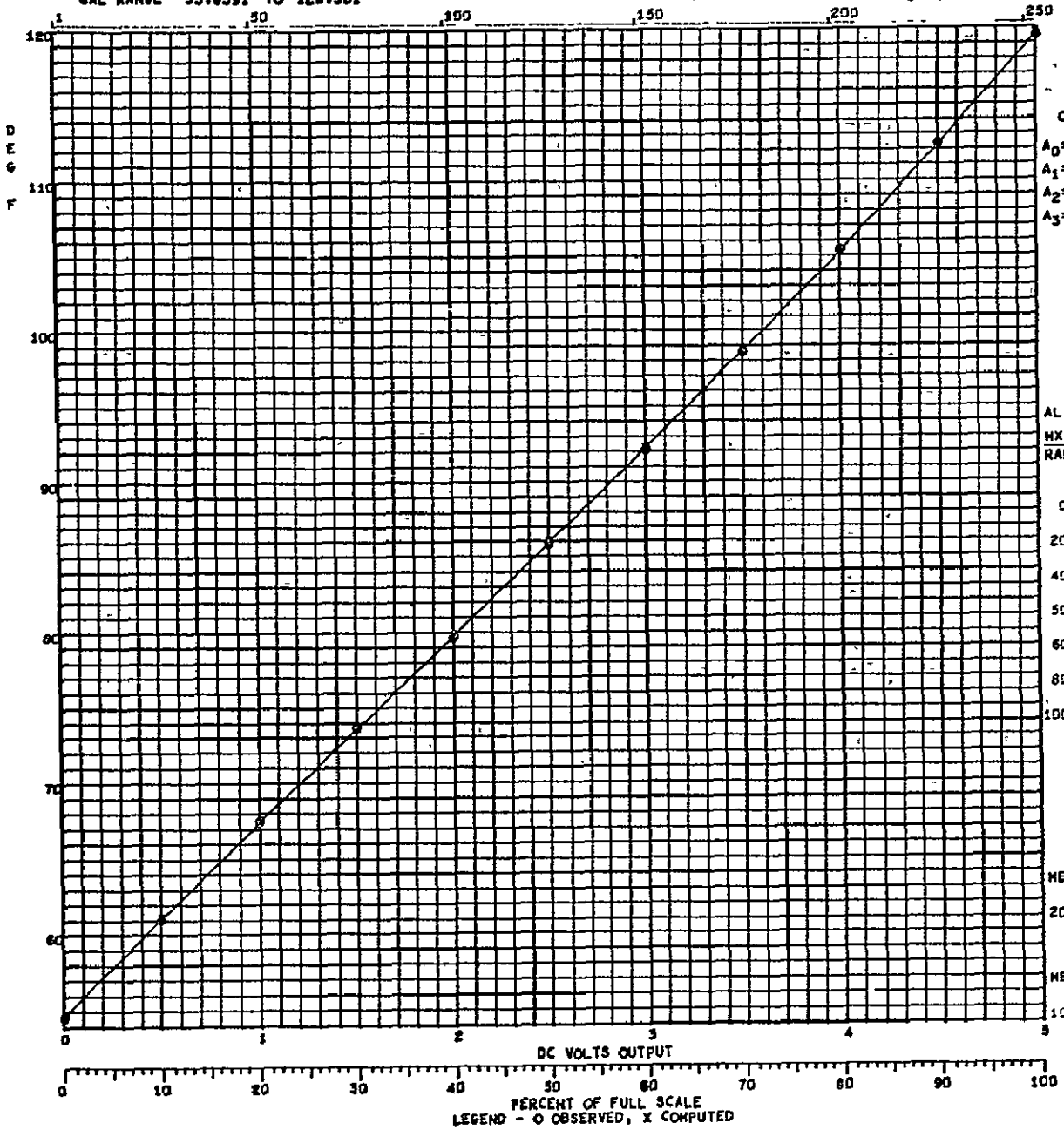
TEMP PRIMARY RADIATOR INLET

CAL RANGE 55.6391 TO 120.501

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
70771 01	089870002011
79082 01	089870002010
00	0000000000000000000

#21515



EQUATION COEFFICIENTS

A_0= 5.565 E 01

A_1= 1.317 E 01

A_2= -4.803 E-01

A_3= -8.668 E-02

AL DEV= .09670

$\frac{\text{MX DEV}}{\text{RANGE}}$= .00149

0% = 5.565E 01

20% = 6.843E 01

40% = 8.079E 01

50% = 8.697E 01

60% = 9.324E 01

80% = 1.063E 02

100% = 1.206E 02

MEASUREMENT NO.

2009F0260T02

MEAS LOADING NO.

1016116 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP PRIMARY RADIATOR INLET

MEASUREMENT NO. 200SFD260T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 089870002011
SIGNAL CONDITIONER SERIAL NO. 089870002010
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 02/09/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	55.651	38	65.062	75	74.167	112	83.174	149	92.292	186	101.728	223	111.691
2	55.911	39	65.311	76	74.411	113	83.418	150	92.542	187	101.990	224	111.970
3	56.171	40	65.560	77	74.654	114	83.662	151	92.792	188	102.252	225	112.249
4	56.431	41	65.809	78	74.898	115	83.907	152	93.042	189	102.514	226	112.528
5	56.690	42	66.057	79	75.142	116	84.151	153	93.293	190	102.776	227	112.809
6	56.948	43	66.305	80	75.385	117	84.395	154	93.544	191	103.039	228	113.089
7	57.207	44	66.554	81	75.629	118	84.640	155	93.795	192	103.303	229	113.371
8	57.465	45	66.801	82	75.872	119	84.884	156	94.046	193	103.567	230	113.652
9	57.722	46	67.049	83	76.115	120	85.129	157	94.298	194	103.831	231	113.935
10	57.980	47	67.297	84	76.359	121	85.374	158	94.550	195	104.095	232	114.218
11	58.237	48	67.544	85	76.602	122	85.619	159	94.802	196	104.360	233	114.501
12	58.493	49	67.791	86	76.845	123	85.864	160	95.055	197	104.626	234	114.785
13	58.750	50	68.038	87	77.089	124	86.109	161	95.307	198	104.892	235	115.070
14	59.006	51	68.285	88	77.332	125	86.354	162	95.560	199	105.158	236	115.355
15	59.261	52	68.532	89	77.575	126	86.600	163	95.814	200	105.425	237	115.641
16	59.516	53	68.778	90	77.818	127	86.846	164	96.067	201	105.692	238	115.928
17	59.772	54	69.024	91	78.062	128	87.091	165	96.321	202	105.960	239	116.215
18	60.026	55	69.271	92	78.305	129	87.337	166	96.575	203	106.228	240	116.503
19	60.281	56	69.517	93	78.548	130	87.583	167	96.830	204	106.497	241	116.791
20	60.535	57	69.762	94	78.791	131	87.829	168	97.085	205	106.766	242	117.080
21	60.789	58	70.008	95	79.034	132	88.076	169	97.340	206	107.035	243	117.369
22	61.042	59	70.254	96	79.278	133	88.322	170	97.595	207	107.305	244	117.659
23	61.295	60	70.499	97	79.521	134	88.569	171	97.851	208	107.575	245	117.950
24	61.548	61	70.744	98	79.764	135	88.816	172	98.107	209	107.846	246	118.241
25	61.801	62	70.990	99	80.007	136	89.063	173	98.364	210	108.118	247	118.533
26	62.053	63	71.235	100	80.251	137	89.310	174	98.620	211	108.390	248	118.826
27	62.305	64	71.479	101	80.494	138	89.557	175	98.877	212	108.662	249	119.119
28	62.557	65	71.724	102	80.738	139	89.805	176	99.135	213	108.935	250	119.413
29	62.809	66	71.969	103	80.981	140	90.053	177	99.392	214	109.208	251	119.708
30	63.060	67	72.214	104	81.224	141	90.301	178	99.651	215	109.482	252	120.003
31	63.311	68	72.458	105	81.468	142	90.549	179	99.909	216	109.756	253	120.299
32	63.562	69	72.702	106	81.711	143	90.797	180	100.168	217	110.031	254	120.595
33	63.813	70	72.947	107	81.955	144	91.046	181	100.427	218	110.307		
34	64.063	71	73.191	108	82.199	145	91.295	182	100.687	219	110.582		
35	64.313	72	73.435	109	82.442	146	91.544	183	100.946	220	110.859		
36	64.563	73	73.679	110	82.686	147	91.793	184	101.207	221	111.136		
37	64.812	74	73.923	111	82.930	148	92.042	185	101.467	222	111.413		

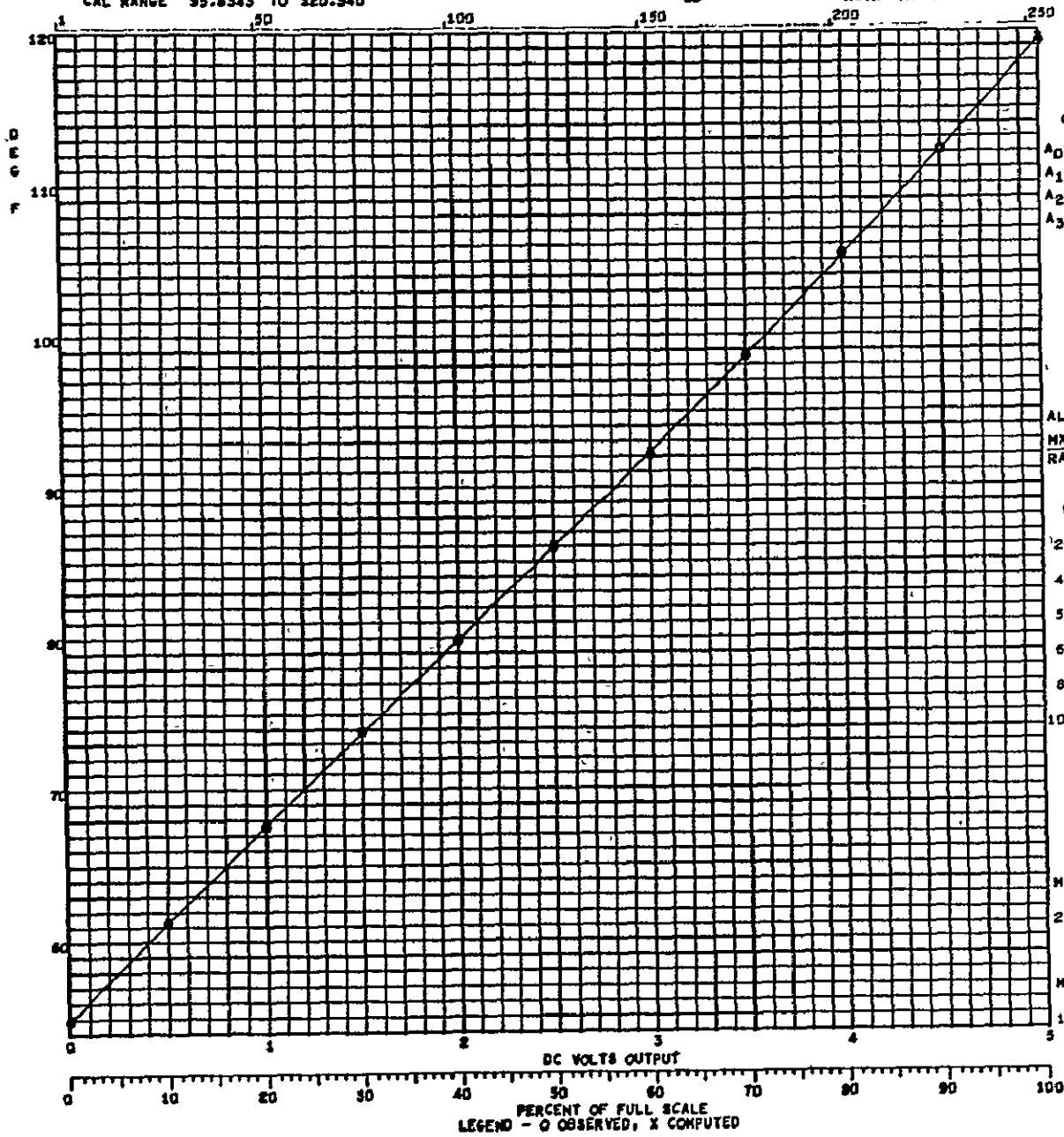
09/27/71
3 INSTALLATION DATE FEB. 9,1961
TEMP SECONDARY RADIATOR INLET
CAL RANGE 55.8343 TO 120.340

SC-113

HARDWARE CALIB. NO.
78773 01
79083 01
00

SERIAL NO.
089870002006
089870002010
RCVR RCVR REC 1

#21515



EQUATION COEFFICIENTS

A_0= 5.585 E 01
A_1= 1.311 E 01
A_2= -4.769 E-01
A_3= 6.750 E-02

AL DEV= .09249
MX DEV / RANGE = .00143

0% = 5.585E 01
20% = 6.857E 01
40% = 8.087E 01
50% = 8.702E 01
60% = 9.326E 01
80% = 1.063E 02
100% = 1.204E 02

MEASUREMENT NO.
200SF0262T02

MEAS LOADING NO.
1029116 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SECONDARY RADIATOR INLET

MEASUREMENT NO. 2005F0262T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0898700002006
SIGNAL CONDITIONER SERIAL NO. 0898700006010
AUXILIARY COMPONENT SERIAL NO. RCVR RCVR REC 1
CALIBRATION DATE 02/09/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	55.849	38	65.217	75	74.280	112	83.244	149	92.314	186	101.695	223	111.592
2	56.108	39	65.485	76	74.523	113	83.487	150	92.562	187	101.954	224	111.848
3	56.367	40	65.713	77	74.768	114	83.730	151	92.811	188	102.215	225	112.145
4	56.625	41	65.961	78	75.008	115	83.973	152	93.060	189	102.475	226	112.423
5	56.883	42	66.206	79	75.251	116	84.216	153	93.309	190	102.736	227	112.701
6	57.140	43	66.455	80	75.495	117	84.459	154	93.559	191	102.997	228	112.980
7	57.397	44	66.702	81	75.735	118	84.708	155	93.809	192	103.259	229	113.259
8	57.654	45	66.949	82	75.979	119	84.946	156	94.059	193	103.521	230	113.539
9	57.911	46	67.195	83	76.220	120	85.189	157	94.309	194	103.784	231	113.819
10	58.167	47	67.442	84	76.462	121	85.433	158	94.559	195	104.047	232	114.100
11	58.423	48	67.688	85	76.704	122	85.677	159	94.810	196	104.310	233	114.382
12	58.678	49	67.934	86	76.946	123	85.920	160	95.061	197	104.574	234	114.664
13	58.933	50	68.180	87	77.189	124	86.164	161	95.312	198	104.838	235	114.947
14	59.188	51	68.426	88	77.431	125	86.408	162	95.564	199	105.103	236	115.230
15	59.443	52	68.671	89	77.673	126	86.652	163	95.816	200	105.368	237	115.514
16	59.697	53	68.917	90	77.915	127	86.897	164	96.068	201	105.633	238	115.798
17	59.951	54	69.162	91	78.157	128	87.141	165	96.320	202	105.899	239	116.083
18	60.204	55	69.407	92	78.399	129	87.386	166	96.573	203	106.165	240	116.368
19	60.457	56	69.652	93	78.641	130	87.631	167	96.826	204	106.432	241	116.655
20	60.710	57	69.896	94	78.883	131	87.875	168	97.079	205	106.699	242	116.941
21	60.963	58	70.141	95	79.125	132	88.121	169	97.333	206	106.967	243	117.229
22	61.215	59	70.385	96	79.367	133	88.366	170	97.587	207	107.235	244	117.517
23	61.468	60	70.630	97	79.609	134	88.611	171	97.841	208	107.504	245	117.805
24	61.719	61	70.874	98	79.851	135	88.857	172	98.096	209	107.775	246	118.094
25	61.971	62	71.118	99	80.093	136	89.102	173	98.350	210	108.045	247	118.384
26	62.222	63	71.362	100	80.335	137	89.348	174	98.606	211	108.313	248	118.675
27	62.473	64	71.606	101	80.576	138	89.594	175	98.861	212	108.583	249	118.966
28	62.724	65	71.849	102	80.820	139	89.841	176	99.117	213	108.854	250	119.258
29	62.974	66	72.093	103	81.062	140	90.087	177	99.373	214	109.128	251	119.550
30	63.224	67	72.336	104	81.304	141	90.334	178	99.630	215	109.398	252	119.843
31	63.474	68	72.580	105	81.547	142	90.580	179	99.887	216	109.670	253	120.136
32	63.724	69	72.823	106	81.789	143	90.827	180	100.144	217	109.943	254	120.431
33	63.973	70	73.066	107	82.031	144	91.075	181	100.401	218	110.217		
34	64.223	71	73.309	108	82.274	145	91.322	182	100.659	219	110.491		
35	64.472	72	73.552	109	82.516	146	91.570	183	100.918	220	110.765		
36	64.720	73	73.795	110	82.759	147	91.818	184	101.176	221	111.040		
37	64.968	74	74.038	111	83.002	148	92.066	185	101.435	222	111.316		

09/27/71

S INSTALLATION DATE FEB. 9,1961

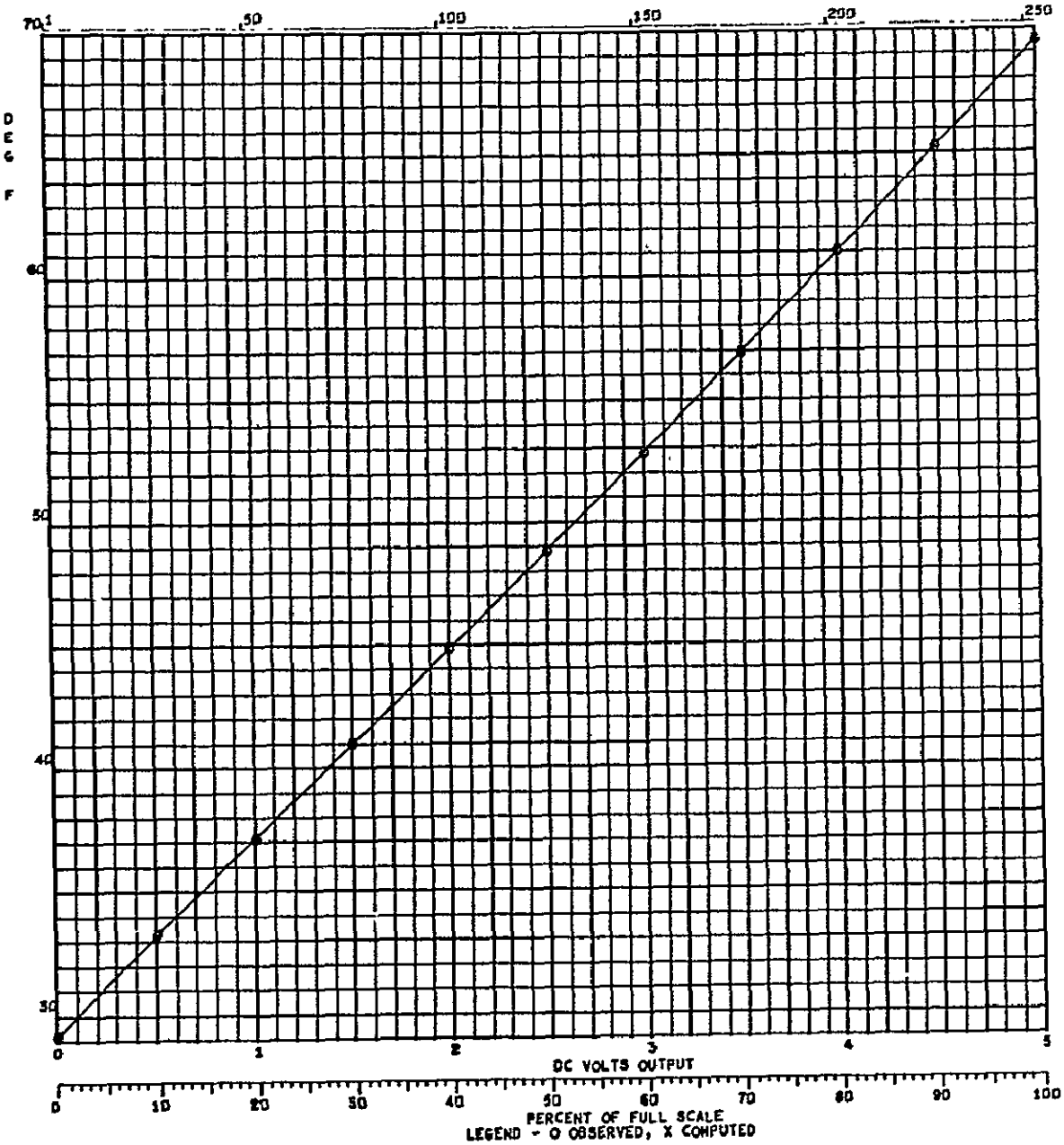
TEMP SEC RADIATOR OUTLET

CAL RANGE 29.1350 TO 69.5164

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78775 01	069870002005
79084 01	069870002010
00	000000000000000000

#21515



EQUATION COEFFICIENTS

A_0= 2.914 E 01

A_1= 8.592 E 00

A_2= -9.200 E-01

A_3= 4.050 E-01

A_4= -7.338 E-02

A_5= 5.013 E-03

AL DEV= .01848

$\frac{\text{MX DEV}}{\text{RANGE}}$= .00045

0% = 2.914E 01

20% = 3.714E 01

40% = 4.487E 01

50% = 4.882E 01

60% = 5.284E 01

80% = 6.105E 01

100% = 6.952E 01

MEASUREMENT NO.

200SF0263T02

MEAS LOADING NO.

1030116 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SEC RADIATOR OUTLET

MEASUREMENT NO. 200SF0263T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. D89870002005
SIGNAL CONDITIONER SERIAL NO. D89870002010
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 02/09/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	29.137	38	35.066	75	40.698	112	46.387	149	52.231	186	58.205	223	64.282
2	29.306	39	35.219	76	40.851	113	46.543	150	52.391	187	58.368	224	64.448
3	29.475	40	35.373	77	41.003	114	46.699	151	52.552	188	58.531	225	64.615
4	29.643	41	35.527	78	41.155	115	46.855	152	52.712	189	58.694	226	64.781
5	29.810	42	35.680	79	41.307	116	47.011	153	52.872	190	58.857	227	64.948
6	29.977	43	35.833	80	41.460	117	47.168	154	53.032	191	59.020	228	65.114
7	30.143	44	35.986	81	41.612	118	47.324	155	53.193	192	59.183	229	65.281
8	30.309	45	36.139	82	41.765	119	47.481	156	53.353	193	59.347	230	65.448
9	30.474	46	36.292	83	41.917	120	47.637	157	53.514	194	59.510	231	65.615
10	30.638	47	36.444	84	42.070	121	47.794	158	53.675	195	59.673	232	65.783
11	30.802	48	36.597	85	42.223	122	47.951	159	53.835	196	59.837	233	65.950
12	30.965	49	36.749	86	42.376	123	48.108	160	53.996	197	60.000	234	66.118
13	31.128	50	36.901	87	42.529	124	48.265	161	54.157	198	60.164	235	66.286
14	31.290	51	37.054	88	42.682	125	48.423	162	54.318	199	60.328	236	66.454
15	31.452	52	37.206	89	42.835	126	48.580	163	54.479	200	60.491	237	66.622
16	31.613	53	37.358	90	42.988	127	48.738	164	54.641	201	60.655	238	66.790
17	31.774	54	37.510	91	43.141	128	48.895	165	54.802	202	60.819	239	66.959
18	31.934	55	37.662	92	43.295	129	49.053	166	54.963	203	60.983	240	67.128
19	32.094	56	37.814	93	43.448	130	49.211	167	55.125	204	61.147	241	67.297
20	32.253	57	37.966	94	43.602	131	49.369	168	55.286	205	61.311	242	67.466
21	32.412	58	38.117	95	43.756	132	49.527	169	55.448	206	61.476	243	67.636
22	32.571	59	38.269	96	43.910	133	49.685	170	55.609	207	61.640	244	67.806
23	32.729	60	38.421	97	44.064	134	49.844	171	55.771	208	61.804	245	67.976
24	32.887	61	38.573	98	44.218	135	50.002	172	55.933	209	61.969	246	68.146
25	33.044	62	38.724	99	44.372	136	50.161	173	56.095	210	62.133	247	68.316
26	33.202	63	38.876	100	44.526	137	50.319	174	56.257	211	62.298	248	68.487
27	33.359	64	39.028	101	44.681	138	50.478	175	56.419	212	62.463	249	68.658
28	33.515	65	39.180	102	44.835	139	50.637	176	56.581	213	62.628	250	68.830
29	33.671	66	39.331	103	44.990	140	50.796	177	56.743	214	62.793	251	69.001
30	33.827	67	39.483	104	45.145	141	50.955	178	56.905	215	62.958	252	69.173
31	33.983	68	39.635	105	45.299	142	51.114	179	57.068	216	63.123	253	69.345
32	34.138	69	39.787	106	45.454	143	51.274	180	57.230	217	63 288	254	69.518
33	34.293	70	39.939	107	45.610	144	51.433	181	57.392	218	63.453		
34	34.448	71	40.090	108	45.765	145	51.592	182	57.555	219	63.619		
35	34.603	72	40.242	109	45.920	146	51.752	183	57.717	220	63.785		
36	34.757	73	40.394	110	46.076	147	51.912	184	57.880	221	63.950		
37	34.912	74	40.546	111	46.231	148	52.072	185	58.043	222	64.116		

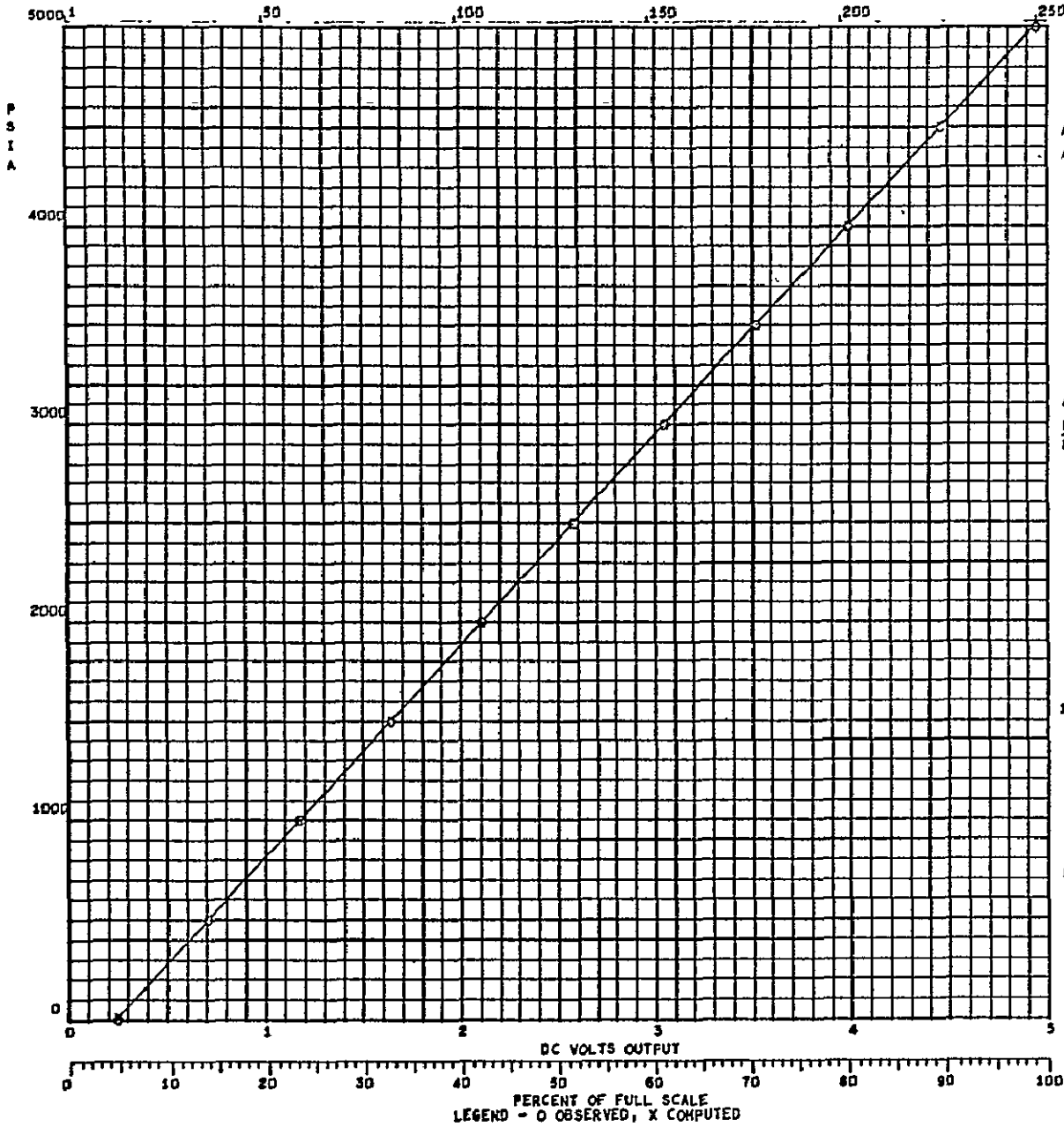
09/27/71
1 INSTALLATION DATE JUNE 11,1961
PAN CAMERA N2 TANK PRESS
CAL RANGE 0 TO 5000.00

SC-113

HARDWARE CALIB. NO. 78241 01 00 00

SERIAL NO. 10308603242A

=21515



EQUATION COEFFICIENTS

A_0= -2.494 E 02

A_1= 1.065 E 03

AL DEV= 4.9104

$\frac{MX\ DEV}{RANGE}$ = .00098

0% = -2.494E 02

20% = 8.152E 02

40% = 1.880E 03

50% = 2.412E 03

60% = 2.944E 03

80% = 4.009E 03

100% = 5.073E 03

MEASUREMENT NO.

2005L1043P01

MEAS LOADING NO.

1101124 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PAN CAMERA N2 TANK PRESS

MEASUREMENT NO. 2005L1043P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603242A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

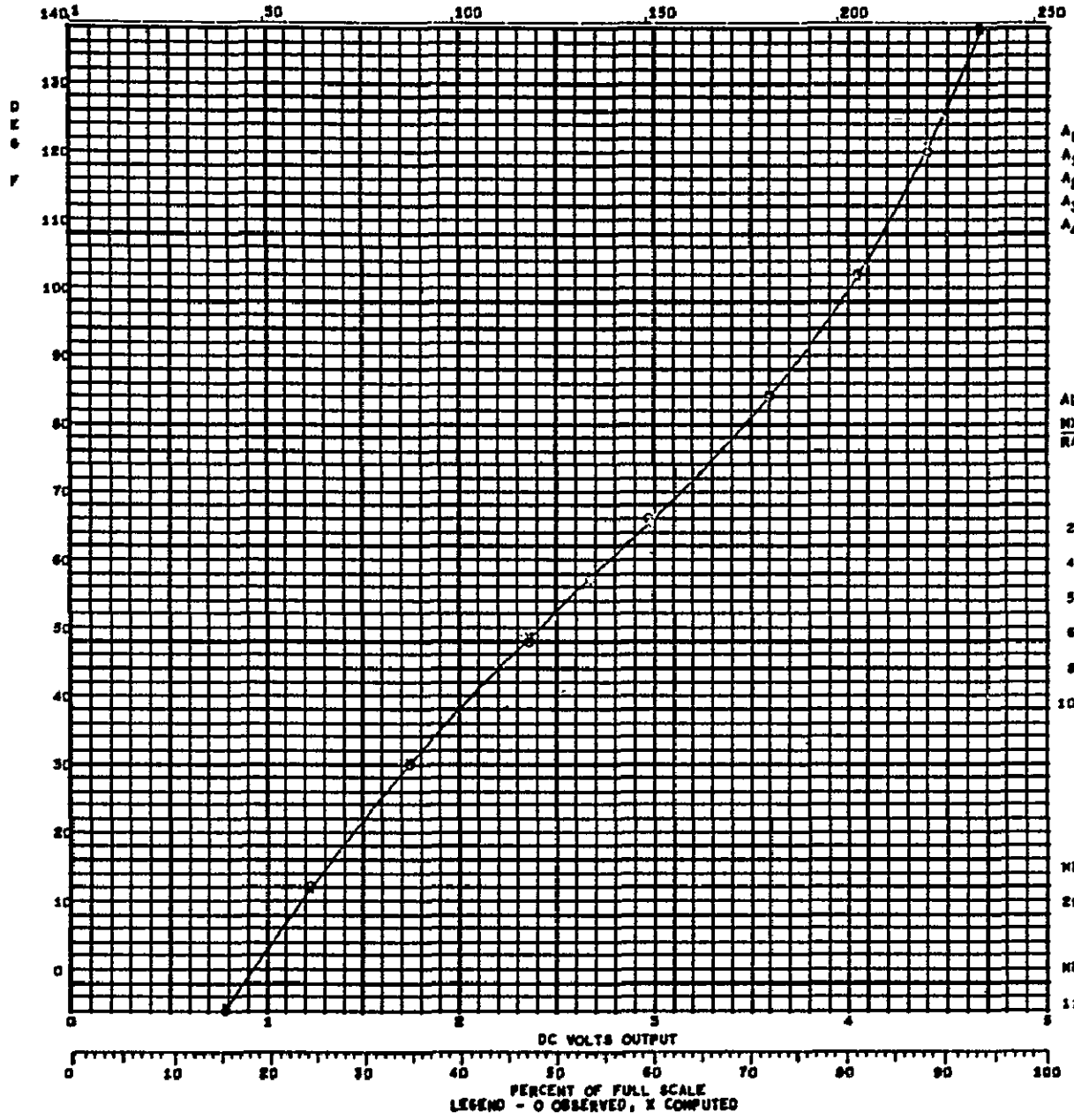
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-249.376	38	529.059	75	1307.493	112	2085.927	149	2864.362	186	3642.796	223	4421.231
2	-228.337	39	550.097	76	1328.532	113	2106.966	150	2885.401	187	3663.835	224	4442.270
3	-207.298	40	571.136	77	1349.571	114	2128.005	151	2906.439	188	3684.874	225	4463.309
4	-186 259	41	592.175	78	1370.609	115	2149.044	152	2927.478	189	3705.913	226	4484.348
5	-165.221	42	613.214	79	1391.648	116	2170.083	153	2948.517	190	3726.951	227	4505.386
6	-144.182	43	634.253	80	1412.687	117	2191.121	154	2969.556	191	3747.990	228	4526 425
7	-123.143	44	655 291	81	1433.726	118	2212.160	155	2990.594	192	3769.029	229	4547.464
8	-102.104	45	676.330	82	1454.764	119	2233.199	156	3011.633	193	3790.068	230	4568.503
9	-81.066	46	697.369	83	1475.803	120	2254.238	157	3032.672	194	3811.106	231	4589.542
10	-60.027	47	718.408	84	1496.842	121	2275.276	158	3053.711	195	3832.145	232	4610.580
11	-38.988	48	739.446	85	1517.881	122	2296.315	159	3074.750	196	3853.184	233	4631.619
12	-17.949	49	760.485	86	1538.920	123	2317.354	160	3095.788	197	3874.223	234	4652.658
13	3.089	50	781.524	87	1559.958	124	2338.393	161	3116.827	198	3895.261	235	4673.697
14	24.128	51	802.563	88	1580.997	125	2359.431	162	3137.866	199	3916.300	236	4694.736
15	45.167	52	823.601	89	1602.036	126	2380.470	163	3158.905	200	3937.339	237	4715.774
16	66.206	53	844.640	90	1623.075	127	2401.509	164	3179.943	201	3958.378	238	4736.813
17	87.245	54	865.679	91	1644.113	128	2422.548	165	3200.982	202	3979.417	239	4757.852
18	108.283	55	886.718	92	1665.152	129	2443.587	166	3222.021	203	4000.455	240	4778 891
19	129.322	56	907.756	93	1686.191	130	2464.625	167	3243.060	204	4021.494	241	4799.930
20	150.361	57	928.795	94	1707.230	131	2485.664	168	3264.098	205	4042.533	242	4820.968
21	171.400	58	949.834	95	1728.268	132	2506.703	169	3285.137	206	4063.572	243	4842.007
22	192.438	59	970.873	96	1749.307	133	2527.742	170	3306.176	207	4084.610	244	4863.046
23	213.477	60	991.912	97	1770.346	134	2548.780	171	3327.215	208	4105.649	245	4884.085
24	234.516	61	1012.950	98	1791.385	135	2569.819	172	3348.253	209	4126.688	246	4905.124
25	255.555	62	1033.989	99	1812.423	136	2590.858	173	3369.292	210	4147.727	247	4926.162
26	276.593	63	1055.028	100	1833.462	137	2611.897	174	3390.331	211	4168.766	248	4947.201
27	297.632	64	1076.067	101	1854.501	138	2632.935	175	3411.370	212	4189.804	249	4968.240
28	318.671	65	1097.105	102	1875.540	139	2653.974	176	3432.409	213	4210 843	250	4989.279
29	339.710	66	1118.144	103	1896.579	140	2675.013	177	3453.447	214	4231.882	251	5010.318
30	360.749	67	1139.183	104	1917.617	141	2696.052	178	3474.486	215	4252.921	252	5031.356
31	381.787	68	1160.222	105	1938.656	142	2717.090	179	3495.525	216	4273.960	253	5052.395
32	402.826	69	1181.260	106	1959.695	143	2738.129	180	3516.564	217	4294.998	254	5073.434
33	423.865	70	1202.299	107	1980.734	144	2759.168	181	3537.602	218	4316.037		
34	444.904	71	1223.338	108	2001.772	145	2780.207	182	3558.641	219	4337.076		
35	465.942	72	1244.377	109	2022.811	146	2801.246	183	3579.680	220	4358.115		
36	486.981	73	1265.416	110	2043.850	147	2822.284	184	3600.719	221	4379.154		
37	508.020	74	1286.454	111	2064.889	148	2843.323	185	3621.757	222	4400.192		

12/06/71
4 INSTALLATION DATE SEPT. 2,1965
TEMP GAMMA-RAY DET
CAL RANGE -4.00000 TO 140.000

SC-113

HARDWARE CALIB. NO. 70154 01 00 00
SERIAL NO. 07696

#11145



EQUATION COEFFICIENTS

A_0= -3.737 E 01
A_1= 4.261 E 01
A_2= 2.279 E 00
A_3= -3.242 E 00
A_4= 5.429 E-01

AL DEV= 0
NX DEV / RANGE = 0

0 % = -3.737E 01
20 % = 5.016E 00
40 % = 4.011E 01
50 % = 5.444E 01
60 % = 6.800E 01
80 % = 1.018E 02
100 % = 1.677E 02

MEASUREMENT NO.
2005L1085T01

MEAS LOADING NO.
1103090 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP GAMMA-RAY DET

MEASUREMENT NO. 2003L1085T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 87696
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/08/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-37.373	38	-8.953	75	22.450	112	45.849	149	65.940	186	88.154	223	121.649
2	-36.526	39	-5.139	76	23.149	113	46.419	150	66.479	187	88.861	224	122.823
3	-35.678	40	-4.316	77	23.844	114	46.987	151	67.020	188	89.577	225	124.019
4	-34.828	41	-3.487	78	24.535	115	47.552	152	67.563	189	90.301	226	125.225
5	-33.976	42	-2.650	79	25.225	116	48.115	153	68.107	190	91.033	227	126.455
6	-33.124	43	-1.856	80	25.906	117	48.676	154	68.654	191	91.775	228	127.700
7	-32.270	44	-1.054	81	26.585	118	49.234	155	69.202	192	92.525	229	128.965
8	-31.416	45	-0.245	82	27.261	119	49.790	156	69.753	193	93.285	230	130.250
9	-30.560	46	0.560	83	27.935	120	50.344	157	70.306	194	94.055	231	131.554
10	-29.704	47	1.363	84	28.601	121	50.896	158	70.861	195	94.834	232	132.879
11	-28.848	48	2.163	85	29.265	122	51.446	159	71.419	196	95.624	233	134.225
12	-27.991	49	2.960	86	29.925	123	51.994	160	71.980	197	96.423	234	135.588
13	-27.134	50	3.753	87	30.582	124	52.540	161	72.544	198	97.234	235	136.973
14	-26.277	51	4.544	88	31.234	125	53.085	162	73.112	199	98.055	236	138.380
15	-25.420	52	5.331	89	31.883	126	53.628	163	73.682	200	98.887	237	139.809
16	-24.562	53	6.115	90	32.528	127	54.170	164	74.257	201	99.730	238	141.257
17	-23.706	54	6.895	91	33.170	128	54.710	165	74.834	202	100.585	239	142.729
18	-22.849	55	7.672	92	33.807	129	55.249	166	75.416	203	101.451	240	144.223
19	-21.993	56	8.446	93	34.442	130	55.787	167	76.002	204	102.330	241	145.740
20	-21.136	57	9.216	94	35.072	131	56.324	168	76.592	205	103.221	242	147.279
21	-20.283	58	9.983	95	35.699	132	56.860	169	77.187	206	104.124	243	148.842
22	-19.429	59	10.746	96	36.322	133	57.395	170	77.786	207	105.040	244	150.429
23	-18.576	60	11.506	97	36.942	134	57.930	171	78.390	208	105.969	245	152.039
24	-17.725	61	12.261	98	37.558	135	58.463	172	78.999	209	106.911	246	153.674
25	-16.874	62	13.014	99	38.171	136	58.997	173	79.613	210	107.867	247	155.334
26	-16.024	63	13.762	100	38.781	137	59.530	174	80.232	211	108.837	248	157.018
27	-15.176	64	14.507	101	39.387	138	60.062	175	80.857	212	109.821	249	158.728
28	-14.330	65	15.248	102	39.990	139	60.595	176	81.488	213	110.819	250	160.465
29	-13.485	66	15.986	103	40.590	140	61.127	177	82.124	214	111.831	251	162.225
30	-12.641	67	16.719	104	41.186	141	61.660	178	82.767	215	112.859	252	164.013
31	-11.799	68	17.449	105	41.779	142	62.192	179	83.416	216	113.902	253	165.827
32	-10.958	69	18.175	106	42.369	143	62.726	180	84.072	217	114.960	254	167.669
33	-10.121	70	18.897	107	42.957	144	63.259	181	84.734	218	116.034		
34	-9.285	71	19.616	108	43.541	145	63.794	182	85.403	219	117.124		
35	-8.452	72	20.330	109	44.122	146	64.329	183	86.080	220	118.230		
36	-7.620	73	21.041	110	44.701	147	64.865	184	86.764	221	119.353		
37	-6.790	74	21.747	111	45.278	148	65.402	185	87.455	222	120.492		

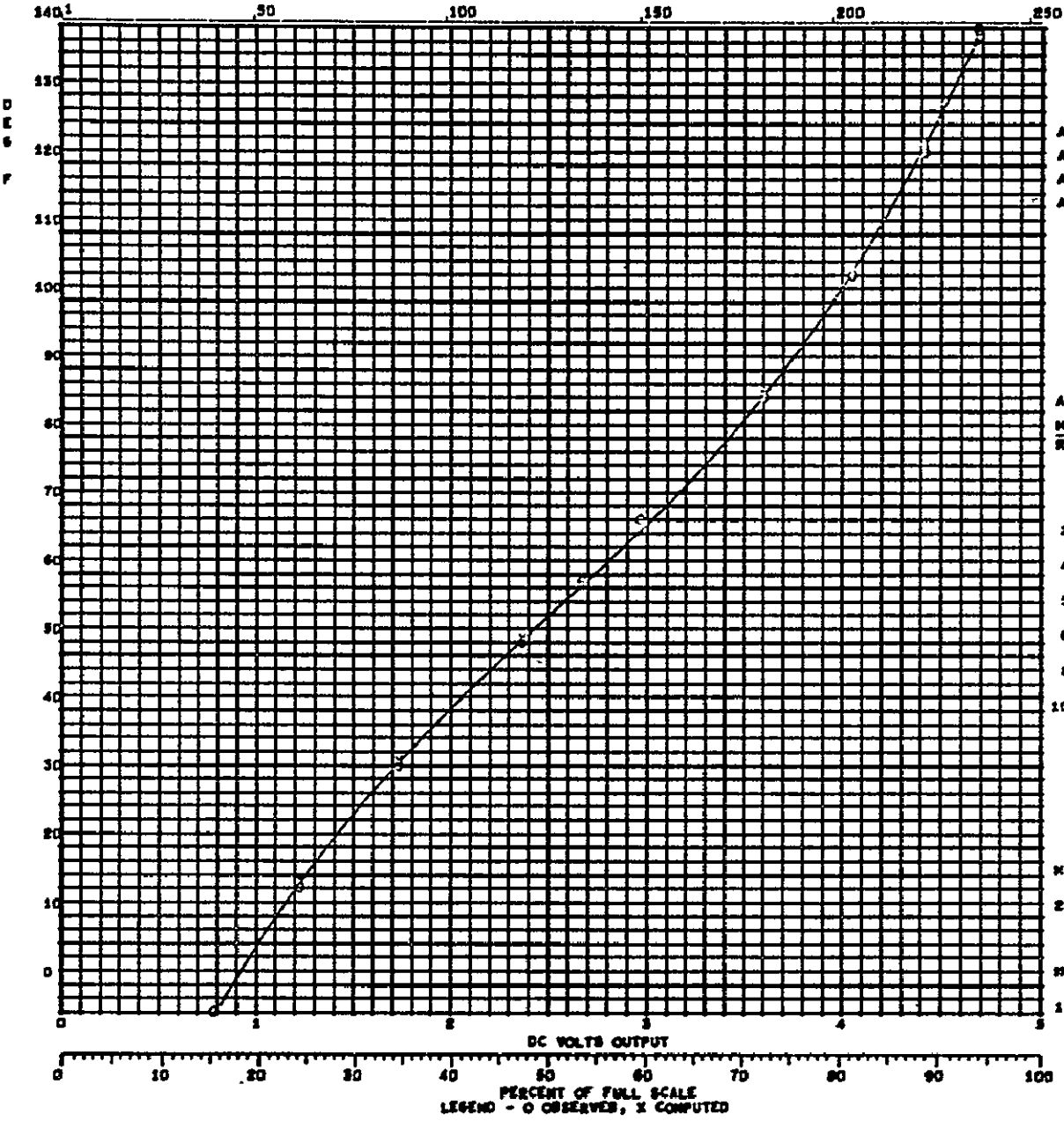
12/06/71
3 INSTALLATION DATE SEPT. 2,1961
TEMP GAMMA RAY ELECTRONICS PKG
CAL RANGE -6.00000 TO 140.000

SC-113

HARDWARE CALIB. NO. 70155 01 00 80

SERIAL NO. 07726

=11145



EQUATION COEFFICIENTS

A_0= -5.322 E 01
A_1= 7.627 E 01
A_2= -2.008 E 01
A_3= 2.687 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% = -5.322E 01
20% = 5.644E 00
40% = 4.045E 01
50% = 5.386E 01
60% = 6.730E 01
80% = 1.023E 02
100% = 1.617E 02

MEASUREMENT NO.
2005L1086T01

MEAS LOADING NO.
1103092 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP GAMMA RAY ELECTRONICS PKG

MEASUREMENT NO. 2005L1086T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 87726
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-53.219	38	-7.142	75	23.752	112	45.767	149	65.204	186	83.367	223	121.559
2	-51.720	39	-6.136	76	24.436	113	46.297	150	65.752	187	89.104	224	122.654
3	-50.256	40	-5.141	77	25.113	114	46.826	151	66.304	188	89.848	225	123.761
4	-48.766	41	-4.156	78	25.783	115	47.354	152	66.858	189	90.600	226	124.881
5	-47.314	42	-3.182	79	26.446	116	47.880	153	67.416	190	91.359	227	126.013
6	-45.877	43	-2.219	80	27.107	117	48.404	154	67.977	191	92.127	228	127.157
7	-44.454	44	-1.267	81	27.759	118	48.928	155	68.541	192	92.902	229	128.314
8	-43.048	45	-0.324	82	28.407	119	49.450	156	69.109	193	93.686	230	129.484
9	-41.653	46	0.608	83	29.048	120	49.971	157	69.680	194	94.477	231	130.666
10	-40.274	47	1.530	84	29.684	121	50.491	158	70.255	195	95.277	232	131.861
11	-38.910	48	2.442	85	30.315	122	51.011	159	70.834	196	96.085	233	133.070
12	-37.561	49	3.344	86	30.940	123	51.530	160	71.416	197	96.902	234	134.291
13	-36.226	50	4.236	87	31.560	124	52.048	161	72.003	198	97.728	235	135.526
14	-34.905	51	5.119	88	32.175	125	52.566	162	72.594	199	98.563	236	136.774
15	-33.598	52	5.993	89	32.786	126	53.084	163	73.189	200	99.406	237	138.036
16	-32.306	53	6.857	90	33.391	127	53.601	164	73.789	201	100.258	238	139.311
17	-31.027	54	7.711	91	33.992	128	54.119	165	74.394	202	101.120	239	140.601
18	-29.761	55	8.557	92	34.589	129	54.636	166	75.003	203	101.991	240	141.904
19	-28.510	56	9.394	93	35.181	130	55.154	167	75.617	204	102.871	241	143.221
20	-27.272	57	10.222	94	35.769	131	55.673	168	76.236	205	103.761	242	144.552
21	-26.047	58	11.041	95	36.353	132	56.191	169	76.860	206	104.661	243	145.898
22	-24.835	59	11.852	96	36.932	133	56.711	170	77.489	207	105.571	244	147.258
23	-23.636	60	12.654	97	37.508	134	57.231	171	78.124	208	106.490	245	148.633
24	-22.451	61	13.447	98	38.080	135	57.752	172	78.764	209	107.419	246	150.022
25	-21.278	62	14.233	99	38 649	136	58.273	173	79.409	210	108.359	247	151.426
26	-20.118	63	15.010	100	39.214	137	58.796	174	80.061	211	109.309	248	152.845
27	-18.970	64	15.780	101	39.776	138	59.321	175	80.718	212	110.270	249	154.279
28	-17.835	65	16.541	102	40 334	139	59.846	176	81.381	213	111.241	250	155.728
29	-16.712	66	17.295	103	40.889	140	60.373	177	82.050	214	112.222	251	157.193
30	-15.602	67	18.041	104	41.442	141	60.902	178	82.725	215	113.215	252	158.673
31	-14.503	68	18.780	105	41.991	142	61.432	179	83.407	216	114.218	253	160.168
32	-13.417	69	19.511	106	42.538	143	61.965	180	84.095	217	115.233	254	161.679
33	-12.342	70	20.236	107	43.082	144	62.499	181	84.790	218	116.258		
34	-11.279	71	20.953	108	43.623	145	63.035	182	85.492	219	117.295		
35	-10.228	72	21.663	109	44.162	146	63.574	183	86.200	220	118.344		
36	-9.188	73	22.366	110	44.699	147	64.115	184	86.915	221	119.404		
37	-8.159	74	23.062	111	45.234	148	64.658	185	87.637	222	120.475		

09/27/71

1 INSTALLATION DATE AUG. 5,1961

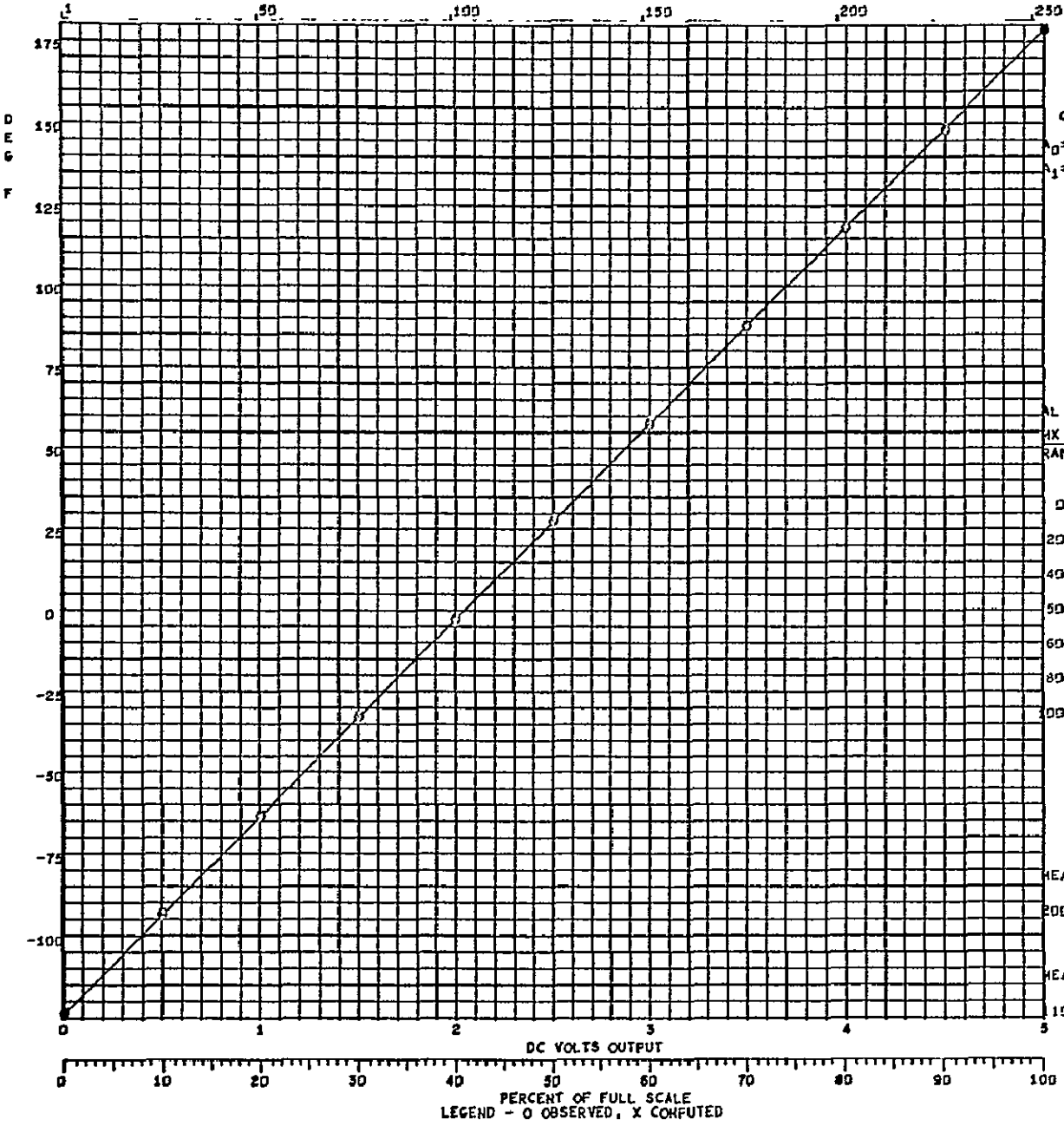
TEMP THRH ENVIR SHELF XS236.5

CAL RANGE -118.403 TO 183.827

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78160 01	10095442198W
79079 01	10095442202A
00	0000000000000000

#21515



EQUATION COEFFICIENTS

A_0= -1.184 E 02

A_1= 6.045 E 01

AL DEV= .00000

MX DEV / RANGE = .00000

0% = -1.184E 02

20% = -5.796E 01

40% = 2.489E 00

50% = 3.271E 01

60% = 6.294E 01

80% = 1.234E 02

100% = 1.838E 02

MEASUREMENT NO.

200SL1201T02

MEAS LOADING NO.

102105 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR SHELF XS236.5

MEASUREMENT NO. 200SL1201T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442198W
SIGNAL CONDITIONER SERIAL NO. 10095442202A
AUXILIARY COMPONENT SERIAL NO 0000000000000000
CALIBRATION DATE 08/05/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-118.403	38	-74.233	75	-30 003	112	14.196	149	58.396	186	102.596	223	146.795
2	-117.208	39	-73.008	76	-28.809	113	15.391	150	59.591	187	103 790	224	147.990
3	-116.013	40	-71 814	77	-27.614	114	16.586	151	60.785	188	104.985	225	149.184
4	-114.819	41	-70.619	78	-26.419	115	17.780	152	61.980	189	106.179	226	150.379
5	-113.624	42	-69.425	79	-25.225	116	18.975	153	63.174	190	107.374	227	151.574
6	-112.430	43	-68.230	80	-24.030	117	20.169	154	64.369	191	108.569	228	152.768
7	-111.235	44	-67.035	81	-22.836	118	21.364	155	65.564	192	109 763	229	153.963
8	-110 040	45	-65.841	82	-21.641	119	22.558	156	66.758	193	110.958	230	155.157
9	-108.846	46	-64.646	83	-20.447	120	23.753	157	67.953	194	112.152	231	156.352
10	-107.651	47	-63.452	84	-19.252	121	24.948	158	69.147	195	113.347	232	157.547
11	-106.457	48	-62.257	85	-18.057	122	26 142	159	70.342	196	114 542	233	158.741
12	-105.262	49	-61.062	86	-16.863	123	27.337	160	71.536	197	115.736	234	159.936
13	-104.068	50	-59 868	87	-15.668	124	28.531	161	72.731	198	116.931	235	161.130
14	-102.873	51	-58.673	88	-14.474	125	29.726	162	73.926	199	118.125	236	162.325
15	-101.678	52	-57.479	89	-13.279	126	30.921	163	75.120	200	119.320	237	163.520
16	-100.484	53	-56.284	90	-12.084	127	32.115	164	76.315	201	120.514	238	164.714
17	-99.289	54	-55.090	91	-10.890	128	33.310	165	77.509	202	121.709	239	165.909
18	-98.095	55	-53.895	92	-9.695	129	34.504	166	78.704	203	122.904	240	167.103
19	-96.900	56	-52.700	93	-8.501	130	35.699	167	79.899	204	124.098	241	168 298
20	-95.705	57	-51.506	94	-7.306	131	36 893	168	81.093	205	125.293	242	169.492
21	-94.511	58	-50.311	95	-6.112	132	38.088	169	82.288	206	126.487	243	170 687
22	-93.316	59	-49.117	96	-4.917	133	39 283	170	83.482	207	127.682	244	171.882
23	-92.122	60	-47.922	97	-3.722	134	40.477	171	84.677	208	128.877	245	173.076
24	-90.927	61	-46.727	98	-2.528	135	41.672	172	85.871	209	130 071	246	174.271
25	-89.732	62	-45.533	99	-1.333	136	42.866	173	87.066	210	131.266	247	175.465
26	-88.538	63	-44 338	100	-0.139	137	44 061	174	88.261	211	132 460	248	176.660
27	-87.343	64	-43.144	101	1.056	138	45.256	175	89.455	212	133 655	249	177.855
28	-86.149	65	-41.949	102	2.251	139	46.450	176	90.650	213	134.849	250	179.049
29	-84.954	66	-40.755	103	3.445	140	47.645	177	91.844	214	136 044	251	180.244
30	-83.760	67	-39.560	104	4.640	141	48.839	178	93.039	215	137.239	252	181.438
31	-82.565	68	-38.365	105	5.834	142	50.034	179	94.234	216	138.433	253	182 633
32	-81.370	69	-37.171	106	7.029	143	51.229	180	95.428	217	139 628	254	183.828
33	-80.176	70	-35.976	107	8.223	144	52.423	181	96.623	218	140 822		
34	-78.981	71	-34.782	108	9.418	145	53.618	182	97.817	219	142 017		
35	-77.787	72	-33.587	109	10.613	146	54.812	183	99.012	220	143.212		
36	-76.592	73	-32.392	110	11 807	147	56.007	184	100.206	221	144.406		
37	-75.397	74	-31.198	111	13.002	148	57.201	185	101.401	222	145.601		

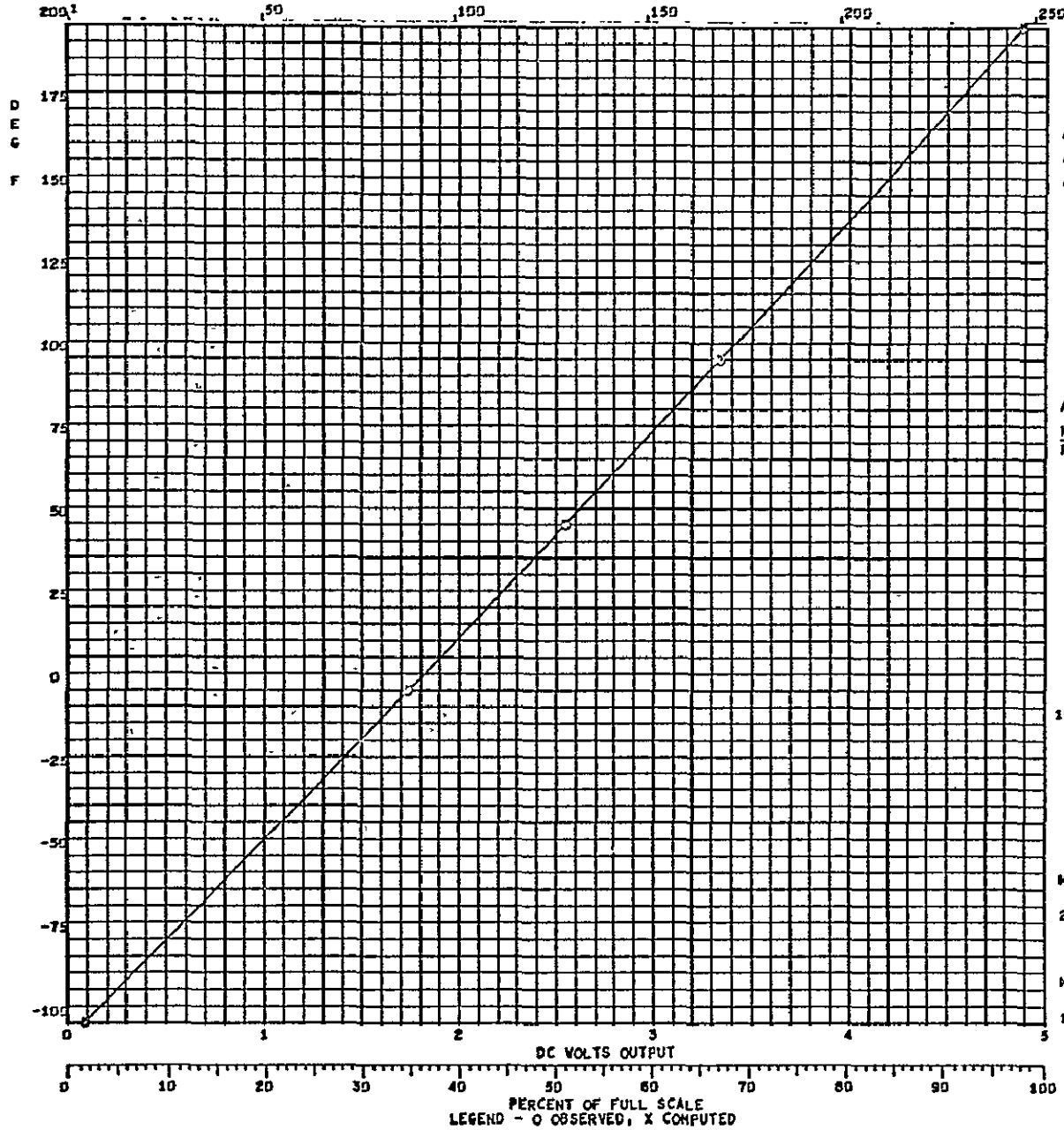
09/27/71
2 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-BH 1 XS221,R62
V CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54867 02 00 00

SERIAL NO. 10095442163W

=21515



EQUATION COEFFICIENTS

A_0= -1.047 E 02
A_1= 5.894 E 01
A_2= 7.191 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.047E 02
20% = -4.508E 01
40% = 1.602E 01
50% = 4.711E 01
60% = 7.856E 01
80% = 1.425E 02
100% = 2.079E 02

MEASUREMENT NO.
200SL1202T01

MEAS LOADING NO.
1101057 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR-BH 1 XS221,R62

MEASUREMENT NO. 200SL1202T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442183W
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

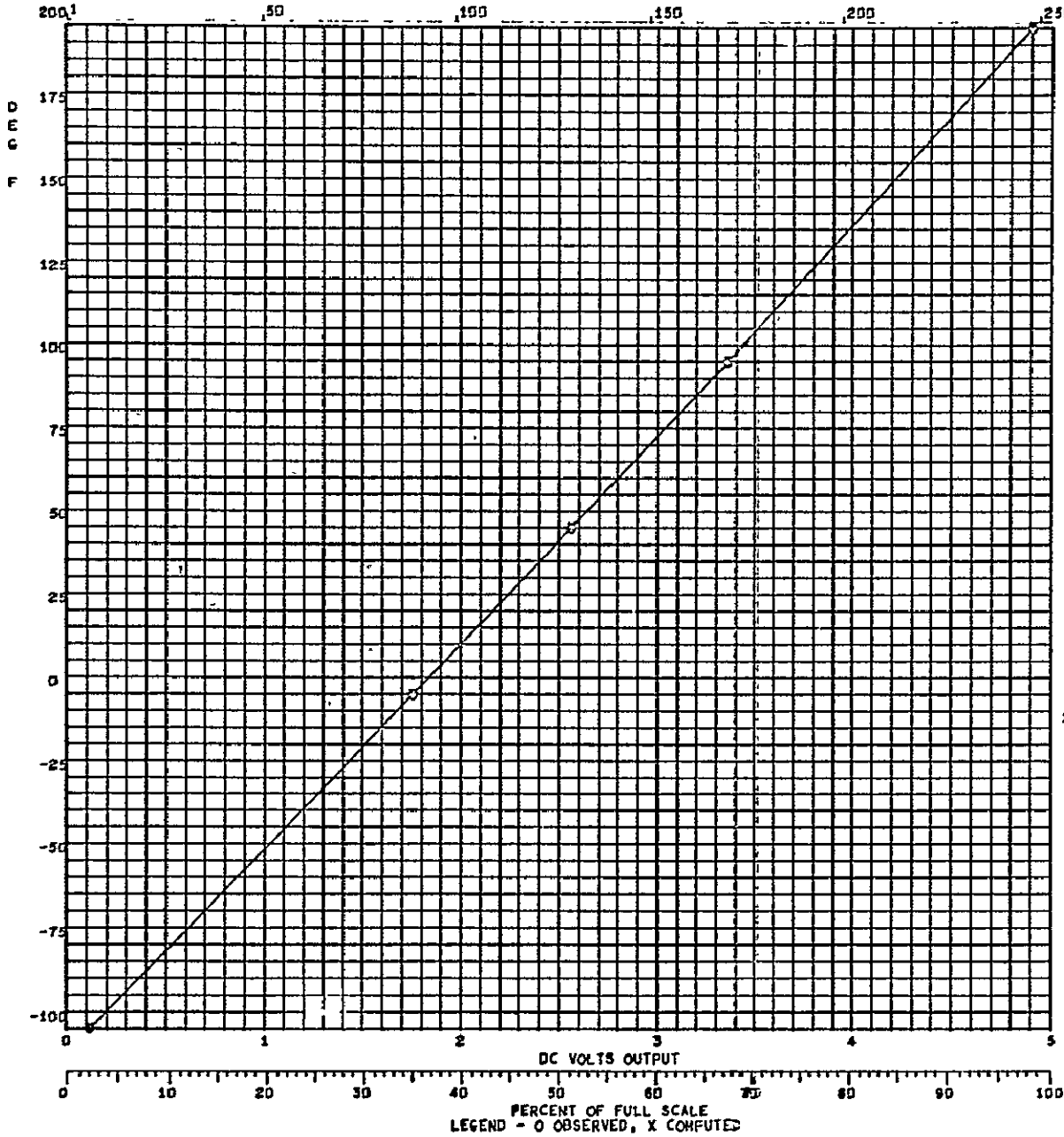
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-104.737	38	-61.254	75	-17.001	112	28.020	149	73.810	186	120.369	223	167.697
2	-103.572	39	-60.068	76	-15.795	113	29.247	150	75.058	187	121.638	224	168.987
3	-102.406	40	-58.881	77	-14.587	114	30.475	151	76.307	188	122.908	225	170.277
4	-101.240	41	-57.694	78	-13.380	115	31.704	152	77.556	189	124.178	226	171.568
5	-100 073	42	-56.507	79	-12.171	116	32.933	153	78.806	190	125.449	227	172.860
6	-98.906	43	-55.318	80	-10.962	117	34.163	154	80.057	191	126.720	228	174.152
7	-97.738	44	-54.130	81	-9.753	118	35.393	155	81.308	192	127.992	229	175.444
8	-96.569	45	-52.940	82	-8.543	119	36.624	156	82.559	193	129.264	230	176.738
9	-95.400	46	-51.751	83	-7.332	120	37.855	157	83.812	194	130.537	231	178.031
10	-94.231	47	-50.560	84	-6.121	121	39.087	158	85.064	195	131,811	232	179,326
11	-93.060	48	-49.369	85	-4.909	122	40,320	159	86.318	196	133.085	233	180.621
12	-91.890	49	-48.178	86	-3.697	123	41.553	160	87.572	197	134.359	234	181.916
13	-90.718	50	-46.986	87	-2.484	124	42.786	161	88.826	198	135.634	235	183.212
14	-89.546	51	-45.793	88	-1.271	125	44.021	162	90.081	199	136.910	236	184.509
15	-88.374	52	-44.600	89	-0.057	126	45.255	163	91.336	200	138.187	237	185.806
16	-87.201	53	-43.406	90	1.158	127	46.491	164	92.593	201	139,463	238	187.103
17	-86.028	54	-42.212	91	2.373	128	47.727	165	93.849	202	140.741	239	188.402
18	-84.853	55	-41.017	92	3.589	129	48.963	166	95.107	203	142.019	240	189.700
19	-83.679	56	-39.821	93	4.805	130	50.200	167	96.364	204	143,298	241	191.000
20	-82.504	57	-38.625	94	6.022	131	51.438	168	97.623	205	144.577	242	192,300
21	-81.328	58	-37.429	95	7.239	132	52.676	169	98.882	206	145.856	243	193.600
22	-80.151	59	-36,232	96	8.457	133	53.914	170	100.141	207	147,137	244	194.901
23	-78.975	60	-35.034	97	9.675	134	55.154	171	101.401	208	148.417	245	196.203
24	-77.797	61	-33.836	98	10.894	135	56.394	172	102.662	209	149.699	246	197.505
25	-76.619	62	-32.637	99	12.114	136	57.634	173	103.923	210	150.981	247	198.808
26	-75.440	63	-31.438	100	13.334	137	58.875	174	105.185	211	152.265	248	200.111
27	-74.261	64	-30.238	101	14.555	138	60.116	175	106.447	212	153,546	249	201.415
28	-73.082	65	-29.037	102	15.776	139	61.358	176	107.710	213	154.830	250	202.719
29	-71.901	66	-27.836	103	16.998	140	62.601	177	108.973	214	156.114	251	204.024
30	-70.720	67	-26.635	104	18.220	141	63.844	178	110.237	215	157.399	252	205.330
31	-69.539	68	-25.432	105	19.443	142	65.088	179	111.502	216	158.684	253	206.636
32	-68.357	69	-24.230	106	20.667	143	66.332	180	112.767	217	159.970	254	207.943
33	-67.175	70	-23 026	107	21.891	144	67,577	181	114.032	218	161.257		
34	-65.991	71	-21.822	108	23.116	145	68 823	182	115.299	219	162.544		
35	-64.808	72	-20 618	109	24.341	146	70.069	183	116.565	220	163.831		
36	-63.624	73	-19.413	110	25.567	147	71.315	184	117.833	221	165.119		
37	-62.439	74	-18 207	111	26.793	148	72.562	185	119.101	222	166.408		

09/27/71
4 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-BH 1 XS278,R62
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 77756 02 00 00
SERIAL NO. 10308612555A

=21515



EQUATION COEFFICIENTS

A_0= -1.066 E 02
A_1= 5.914 E 01
A_2= 1.212 E 00
A_3= -2.320 E-01
A_4= 2.648 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.066E 02
20% = -4.650E 01
40% = 1.505E 01
50% = 4.619E 01
60% = 7.756E 01
80% = 1.412E 02
100% = 2.069E 02

MEASUREMENT NO.
200SL1204T01

MEAS LOADING NO.
1104049 12

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP THRM ENVIR-BH 1 XS278,R62

MEASUREMENT NO. 2005L1204T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612555A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.638	38	-62.831	75	-18.167	112	27.084	149	72.831	186	119.165	223	166.361
2	-105.469	39	-61.634	76	-16.951	113	28.314	150	74.074	187	120.428	224	167.653
3	-104 299	40	-60.436	77	-15.734	114	29.544	151	75.319	188	121.691	225	168.945
4	-103.128	41	-59.237	78	-14.517	115	30.774	152	76.563	189	122.955	226	170.238
5	-101.956	42	-58.038	79	-13.300	116	32.005	153	77.808	190	124.220	227	171.533
6	-100.783	43	-56.838	80	-12.082	117	33.237	154	79.054	191	125.485	228	172.828
7	-99 609	44	-55.637	81	-10.864	118	34.468	155	80.299	192	126.750	229	174.124
8	-98.435	45	-54.436	82	-9.646	119	35.700	156	81.546	193	128.017	230	175.422
9	-97.259	46	-53.235	83	-8.427	120	36.933	157	82.793	194	129.284	231	176.729
10	-96.083	47	-52.033	84	-7.207	121	38.165	158	84.040	195	130.552	232	178.019
11	-94.905	48	-50.830	85	-5.988	122	39.398	159	85.287	196	131.820	233	179.320
12	-93.727	49	-49.627	86	-4.768	123	40.632	160	86.536	197	133.090	234	180.621
13	-92.549	50	-48.423	87	-3.547	124	41.865	161	87.784	198	134.359	235	181.924
14	-91.369	51	-47.218	88	-2.326	125	43.100	162	89.033	199	135.630	236	183.228
15	-90.188	52	-46.014	89	-1.105	126	44.334	163	90.283	200	136.901	237	184.532
16	-89.007	53	-44.808	90	0.117	127	45.569	164	91.533	201	138.173	238	185.838
17	-87.825	54	-43.602	91	1.338	128	46.804	165	92.783	202	139.446	239	187.145
18	-86.642	55	-42.396	92	2.561	129	48.040	166	94.034	203	140.720	240	188.453
19	-85.458	56	-41.189	93	3.784	130	49.276	167	95.286	204	141.994	241	189.763
20	-84.274	57	-39.981	94	5.007	131	50.512	168	96.538	205	143.269	242	191.073
21	-83.088	58	-38.773	95	6 230	132	51.749	169	97.790	206	144.545	243	192.385
22	-81.902	59	-37.565	96	7.454	133	52.986	170	99.043	207	145.822	244	193.697
23	-80.716	60	-36.356	97	8.678	134	54.223	171	100.297	208	147.099	245	195.011
24	-79.528	61	-35.147	98	9.903	135	55.461	172	101.551	209	148.377	246	196.327
25	-78.340	62	-33.937	99	11.128	136	56.699	173	102.805	210	149.656	247	197.643
26	-77.151	63	-32.726	100	12.353	137	57.938	174	104.060	211	150.936	248	198.961
27	-75.962	64	-31.516	101	13.578	138	59.176	175	105.316	212	152.217	249	200.280
28	-74.771	65	-30.304	102	14 804	139	60.416	176	106.572	213	153.498	250	201.600
29	-73.580	66	-29 092	103	16.031	140	61.655	177	107.829	214	154.781	251	202.921
30	-72.389	67	-27.880	104	17.258	141	62.896	178	109.086	215	156.064	252	204.244
31	-71.196	68	-26.668	105	18.485	142	64.136	179	110.344	216	157.348	253	205.568
32	-70.003	69	-25.455	106	19.712	143	65.377	180	111.603	217	158.633	254	206.893
33	-68.809	70	-24.241	107	20.940	144	66.618	181	112.862	218	159.919		
34	-67.615	71	-23.027	108	22.168	145	67.860	182	114.121	219	161.205		
35	-66.420	72	-21 813	109	23.396	146	69.102	183	115.381	220	162.493		
36	-65.225	73	-20.598	110	24.625	147	70.344	184	116.642	221	163.782		
37	-64.028	74	-19 383	111	25.854	148	71.587	185	117.903	222	165.071		

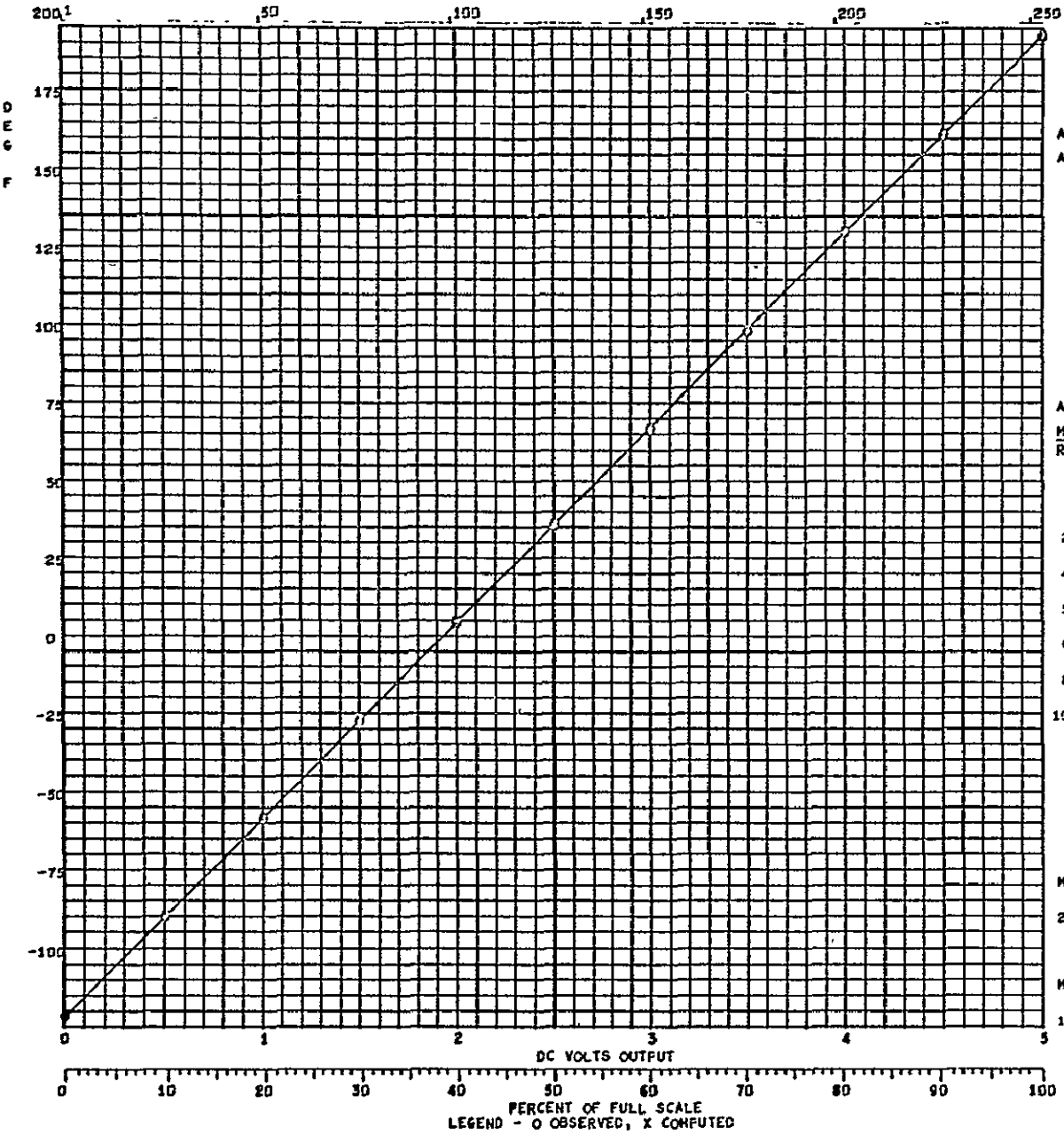
09/27/71
1 INSTALLATION DATE AUG. 5,1961
TEMP THRM ENVIR-BH 6 XS221,R62
CAL RANGE -116.390 TO 197.781

SC-113

HARDWARE CALIB. NO.
77960 02
82124 03
00

SERIAL NO.
10308612545A
10095421927A
0000000000000000000

=21515



EQUATION COEFFICIENTS

A_0= -1.164 E 02
A_1= 6.283 E 01

AL DEV= .00000
$\frac{\text{MX DEV}}{\text{RANGE}}$= .00000

0% = -1.164E 02
20% = -5.356E 01
40% = 9.278E 00
50% = 4.070E 01
60% = 7.211E 01
80% = 1.349E 02
100% = 1.978E 02

MEASUREMENT NO.
200SL1205T02

MEAS LOADING NO.
1101926 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR-DM 6 XS221,R62

MEASUREMENT NO. 200SL1205T02
VEHICLE SC-113
TRANSDUCER-SERIAL-NO. 10308612545A
SIGNAL CONDITIONER SERIAL NO. 10095421927A
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 08/05/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-116.390	38	-70 444	75	-24.498	112	21.448	149	67.394	186	113.340	223	159.286
2	-115.148	39	-69.202	76	-23.256	113	22.690	150	68.636	187	114.582	224	160.528
3	-113.907	40	-67.961	77	-22.015	114	23.931	151	69.877	188	115.823	225	161.769
4	-112.665	41	-66.719	78	-20.773	115	25.173	152	71.119	189	117.065	226	163.011
5	-111.423	42	-65.477	79	-19.531	116	26.415	153	72.361	190	118.307	227	164.253
6	-110.181	43	-64.235	80	-18.289	117	27.657	154	73.603	191	119.549	228	165.495
7	-108.939	44	-62.993	81	-17.047	118	28.899	155	74.845	192	120.791	229	166.737
8	-107.698	45	-61.752	82	-15.806	119	30.140	156	76.086	193	122.032	230	167.978
9	-106 456	46	-60.510	83	-14.564	120	31.382	157	77.328	194	123.274	231	169.220
10	-105.214	47	-59.268	84	-13.322	121	32.624	158	78.570	195	124.516	232	170.462
11	-103.972	48	-58.026	85	-12.080	122	33.866	159	79.812	196	125.758	233	171.704
12	-102.730	49	-56.784	86	-10.838	123	35.108	160	81.054	197	126.999	234	172.946
13	-101.489	50	-55.543	87	-9.597	124	36.349	161	82.295	198	128.241	235	174.187
14	-100.247	51	-54.301	88	-8.355	125	37.591	162	83.537	199	129.483	236	175.429
15	-99.005	52	-53.059	89	-7.113	126	38.833	163	84.779	200	130.725	237	176.671
16	-97.763	53	-51.817	90	-5.871	127	40.075	164	86.021	201	131.967	238	177.913
17	-96.522	54	-50.576	91	-4.630	128	41.316	165	87.262	202	133.208	239	179.154
18	-95.280	55	-49.334	92	-3.388	129	42.558	166	88.504	203	134.450	240	180.396
19	-94.038	56	-48.092	93	-2.146	130	43.800	167	89.746	204	135.692	241	181.638
20	-92.796	57	-46.850	94	-0.904	131	45.042	168	90.988	205	136.934	242	182.880
21	-91.554	58	-45.608	95	0.338	132	46.284	169	92.230	206	138.176	243	184.122
22	-90.313	59	-44.367	96	1.579	133	47.525	170	93.471	207	139.417	244	185.363
23	-89.071	60	-43.125	97	2.821	134	48.767	171	94.713	208	140.659	245	186.605
24	-87.829	61	-41.883	98	4.063	135	50.009	172	95.955	209	141.901	246	187.847
25	-86.587	62	-40.641	99	5.305	136	51.251	173	97.197	210	143.143	247	189.089
26	-85.345	63	-39.400	100	6.546	137	52.492	174	98.438	211	144.384	248	190.331
27	-84.104	64	-38.158	101	7.788	138	53.734	175	99.680	212	145.626	249	191.572
28	-82.862	65	-36.916	102	9.030	139	54.976	176	100.922	213	146.868	250	192.814
29	-81.620	66	-35.674	103	10.272	140	56.218	177	102.164	214	148.110	251	194.056
30	-80.378	67	-34.432	104	11.514	141	57.460	178	103.406	215	149.352	252	195.298
31	-79.137	68	-33.191	105	12.755	142	58.701	179	104.647	216	150.593	253	196.539
32	-77.895	69	-31.949	106	13 997	143	59.943	180	105.889	217	151.835	254	197.781
33	-76.653	70	-30.707	107	15.239	144	61.185	181	107.131	218	153.077		
34	-75.411	71	-29.465	108	16.481	145	62.427	182	108.373	219	154.319		
35	-74.169	72	-28.223	109	17.723	146	63.669	183	109.615	220	155.561		
36	-72.928	73	-26.982	110	18 964	147	64.910	184	110.856	221	156.802		
37	-71.686	74	-25.740	111	20.206	148	66.152	185	112.098	222	158.044		

09/27/71

Σ INSTALLATION DATE JUNE 11,1961

TEMP THRM ENVIR-BM 6 XS257.R62

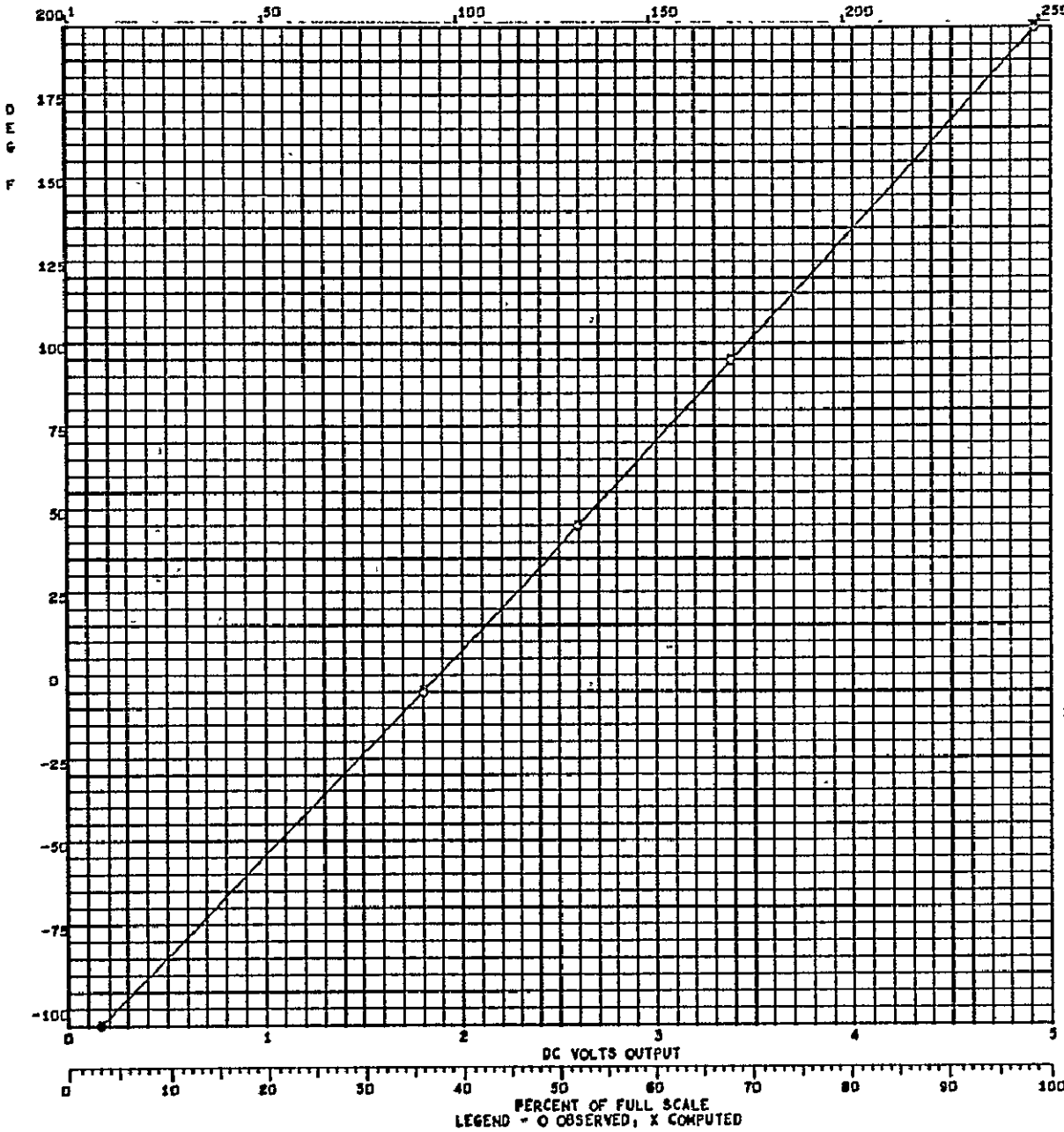
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 76276 03 00 00

SERIAL NO. 10308442225A

x21515



EQUATION COEFFICIENTS

A_0= -1.096 E 02

A_1= 5.969 E 01

A_2= 6.629 E-01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-1.096E 02

20% =-4.924E 01

40% = 1.244E 01

50% = 4.378E 01

60% = 7.545E 01

80% = 1.398E 02

100% = 2.054E 02

MEASUREMENT NO.

200SL1206T01

MEAS LOADING NO.

1102027 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP THRH ENVIR-BH 6 XS257,R62

MEASUREMENT NO. 200SL1256TD1
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308442225A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-109.588	38	-65.587	75	-20.877	112	24.543	149	70.671	186	117.509	223	165.054
2	-108.408	39	-64.388	76	-19.658	113	25.780	150	71.927	187	118.783	224	166,348
3	-107.228	40	-63.188	77	-18.440	114	27.018	151	73.184	188	120.060	225	167.644
4	-106.047	41	-61.988	78	-17.220	115	28.256	152	74.442	189	121.336	226	168.940
5	-104.865	42	-60.787	79	-16.001	116	29.495	153	75.700	190	122.614	227	170.236
6	-103 683	43	-59.586	80	-14.780	117	30.735	154	76.959	191	123.891	228	171.533
7	-102.501	44	-58.385	81	-13.559	118	31.975	155	78.218	192	125.170	229	172.831
8	-101.318	45	-57.182	82	-12.338	119	33.215	156	79.477	193	126.448	230	174.128
9	-100.134	46	-55.980	83	-11.116	120	34.456	157	80.738	194	127.728	231	175.427
10	-98.950	47	-54.777	84	-9.894	121	35.698	158	81.998	195	129.008	232	176.726
11	-97.766	48	-53.573	85	-8.671	122	36.940	159	83.259	196	130.288	233	178.026
12	-96.581	49	-52.369	86	-7.448	123	38.182	160	84.521	197	131.569	234	179.326
13	-95.395	50	-51.164	87	-6.224	124	39.425	161	85.783	198	132.850	235	180.626
14	-94.209	51	-49.959	88	-4.999	125	40.669	162	87.046	199	134.132	236	181.927
15	-93.022	52	-48.753	89	-3.774	126	41.913	163	88.309	200	135.415	237	183.229
16	-91.835	53	-47.546	90	-2 549	127	43.158	164	89.573	201	136.698	238	184,531
17	-90.648	54	-46.340	91	-1.323	128	44.403	165	90.838	202	137.981	239	185.834
18	-89.459	55	-45.132	92	-0.096	129	45.649	166	92.102	203	139.265	240	187.137
19	-88.271	56	-43.924	93	1.131	130	46.895	167	93.368	204	140,550	241	188.440
20	-87.081	57	-42.716	94	2.358	131	48.141	168	94.634	205	141.835	242	189.745
21	-85.892	58	-41.507	95	3.586	132	49.389	169	95.900	206	143.120	243	191.049
22	-84.701	59	-40.298	96	4.815	133	50.636	170	97.167	207	144.406	244	192,354
23	-83.511	60	-39.088	97	6.044	134	51.885	171	98.434	208	145.693	245	193.660
24	-82.319	61	-37.877	98	7.274	135	53.133	172	99.702	209	146.980	246	194.966
25	-81.128	62	-36.666	99	8.504	136	54.383	173	100.971	210	148.267	247	196.273
26	-79.935	63	-35.455	100	9.734	137	55.633	174	102.240	211	149.556	248	197.581
27	-78.742	64	-34.243	101	10.966	138	56.883	175	103.509	212	150.844	249	198.888
28	-77.549	65	-33.030	102	12.197	139	58.134	176	104.779	213	152.133	250	200.197
29	-76.355	66	-31.817	103	13.429	140	59.385	177	106.050	214	153.423	251	201.506
30	-75.161	67	-30.604	104	14.662	141	60.637	178	107.321	215	154.713	252	202.815
31	-73.966	68	-29.390	105	15.895	142	61.889	179	108.592	216	156.004	253	204.125
32	-72.770	69	-28.175	106	17.129	143	63.142	180	109.864	217	157.295	254	205.435
33	-71.574	70	-26.960	107	18.363	144	64.396	181	111.137	218	158.587		
34	-70.378	71	-25.744	108	19.598	145	65.650	182	112.410	219	159.879		
35	-69.181	72	-24.528	109	20.834	146	66.904	183	113.684	220	161.172		
36	-67.983	73	-23.311	110	22.069	147	68.159	184	114.958	221	162.465		
37	-66.785	74	-22.094	111	23.306	148	69.415	185	116.232	222	163.759		

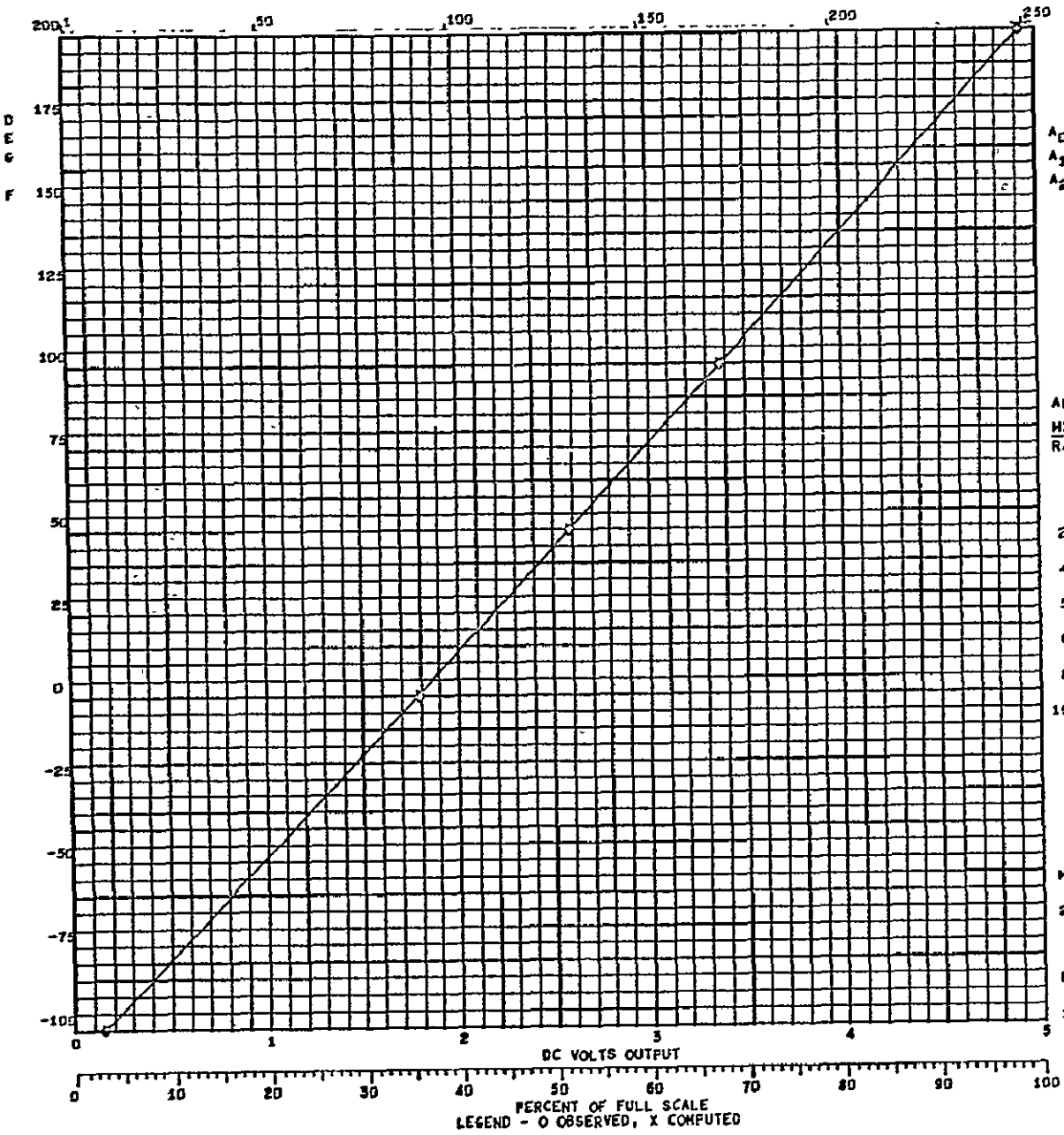
09/27/71
2 INSTALLATION DATE JUNE 11,1961
TMP THRM ENVIR-GAMMA RAY STR
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 04696 07 00 00

SERIAL NO. 10095421935A

=21515



EQUATION COEFFICIENTS

A_0= -1.090 E 02
A_1= 6.001 E 01
A_2= 5.638 E-01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.090E 02
20% = -4.641E 01
40% = 1.334E 01
50% = 4.466E 01
60% = 7.627E 01
80% = 1.404E 02
100% = 2.056E 02

MEASUREMENT NO.
200SL1208T01

MEAS LOADING NO.
1194058 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TMF THRH ENVIR-GAMMA RAY STR

MEASUREMENT NO. 200SL1208T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095421935A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

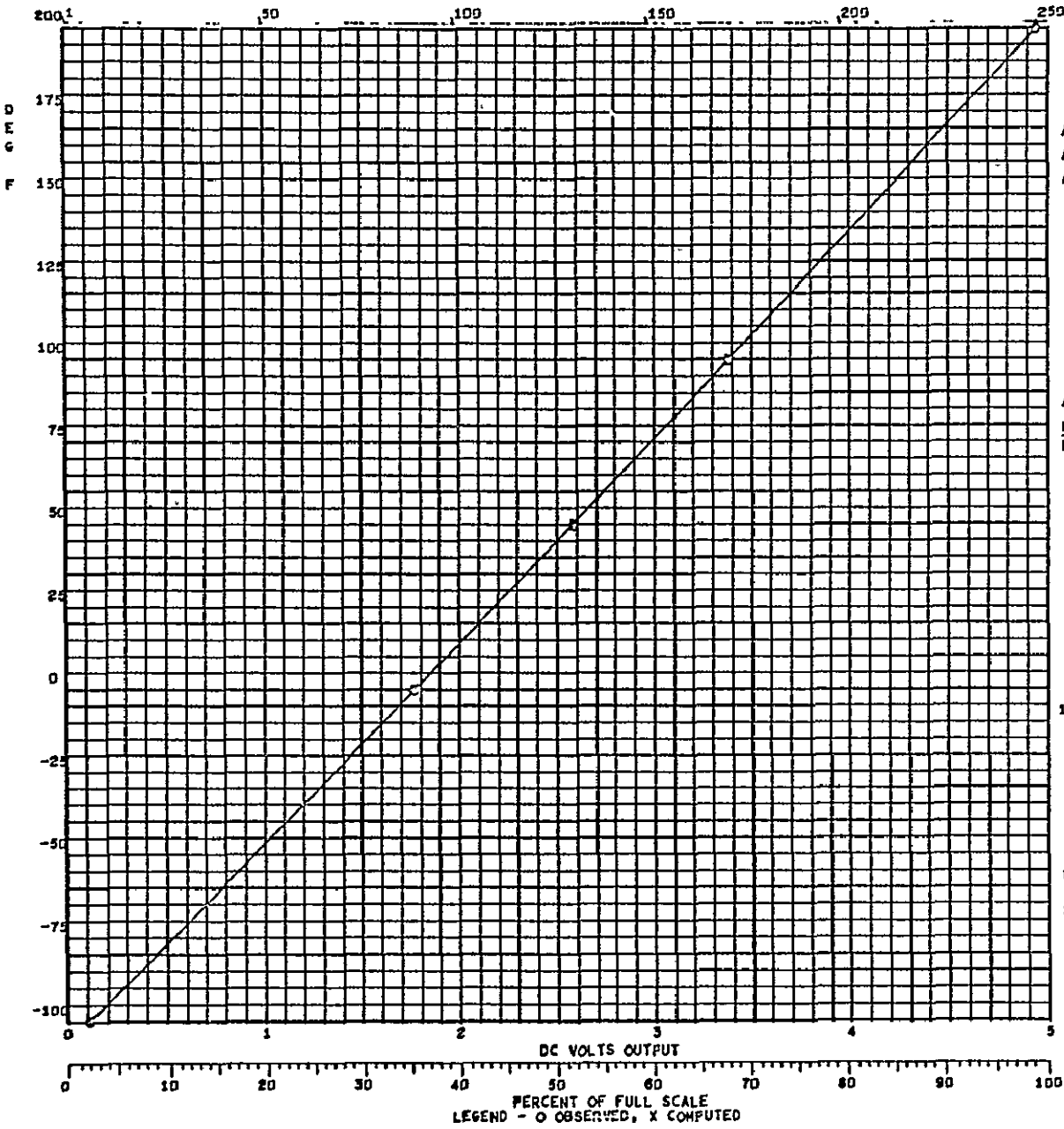
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-109.003	38	-64.813	75	-19.998	112	25.441	149	71.504	186	118.191	223	165.503
2	-107.817	39	-63.610	76	-18.778	113	26.677	150	72.757	187	119.462	224	166.790
3	-106.630	40	-62.406	77	-17.558	114	27.915	151	74.011	188	120.733	225	168.078
4	-105.443	41	-61.202	78	-16.337	115	29.152	152	75.266	189	122.004	226	169.367
5	-104.256	42	-59.998	79	-15.116	116	30.390	153	76.521	190	123.276	227	170.655
6	-103.068	43	-58.793	80	-13.894	117	31.629	154	77.776	191	124.548	228	171.944
7	-101.879	44	-57.588	81	-12.672	118	32.868	155	79.032	192	125.821	229	173.234
8	-100.690	45	-56.382	82	-11.449	119	34.107	156	80.289	193	127.094	230	174.524
9	-99.501	46	-55.176	83	-10.226	120	35.347	157	81.545	194	128.368	231	175.815
10	-98.311	47	-53.969	84	-9.003	121	36.588	158	82.803	195	129.642	232	177.106
11	-97.121	48	-52.762	85	-7.779	122	37.829	159	84.060	196	130.917	233	178.397
12	-95.930	49	-51.555	86	-6.555	123	39.070	160	85.319	197	132.192	234	179.689
13	-94.739	50	-50.347	87	-5.330	124	40.312	161	86.577	198	133.467	235	180.982
14	-93.548	51	-49.138	88	-4.104	125	41.554	162	87.836	199	134.743	236	182.274
15	-92.356	52	-47.929	89	-2.878	126	42.797	163	89.096	200	136.020	237	183.568
16	-91.163	53	-46.720	90	-1.652	127	44.040	164	90.356	201	137.296	238	184.861
17	-89.970	54	-45.510	91	-0.426	128	45.283	165	91.616	202	138.574	239	186.156
18	-88.777	55	-44.300	92	0.802	129	46.527	166	92.877	203	139.852	240	187.450
19	-87.583	56	-43 089	93	2.029	130	47.772	167	94.139	204	141.130	241	188.745
20	-86.388	57	-41.878	94	3.257	131	49.017	168	95.400	205	142.409	242	190.041
21	-85.194	58	-40.666	95	4.486	132	50.262	169	96.663	206	143.688	243	191.337
22	-83.998	59	-39.454	96	5.715	133	51.508	170	97.925	207	144.967	244	192.633
23	-82.803	60	-38.241	97	6.944	134	52.754	171	99.189	208	146.247	245	193.930
24	-81.607	61	-37.028	98	8.174	135	54.001	172	100.452	209	147.528	246	195.228
25	-80.410	62	-35.815	99	9.405	136	55.248	173	101.716	210	148.809	247	196.526
26	-79.213	63	-34.601	100	10.635	137	56.496	174	102.981	211	150.090	248	197.824
27	-78.015	64	-33.387	101	11.867	138	57.744	175	104.246	212	151.372	249	199.123
28	-76.817	65	-32.172	102	13.098	139	58.993	176	105.511	213	152.655	250	200.422
29	-75.619	66	-30.956	103	14.331	140	60.242	177	106.777	214	153.937	251	201.722
30	-74.420	67	-29.741	104	15.563	141	61.491	178	108.044	215	155.221	252	203.022
31	-73.221	68	-28.524	105	16.796	142	62.741	179	109.311	216	156.504	253	204.322
32	-72.021	69	-27.308	106	18 030	143	63.992	180	110.578	217	157.788	254	205.623
33	-70.821	70	-26.091	107	19.264	144	65.243	181	111.846	218	159.073		
34	-69.620	71	-24.873	108	20.498	145	66 494	182	113.114	219	160.358		
35	-68.419	72	-23.655	109	21.733	146	67.746	183	114.383	220	161.644		
36	-67.217	73	-22.436	110	22.969	147	68.998	184	115.652	221	162.930		
37	-66.015	74	-21.218	111	24.204	148	70.251	185	116.921	222	164.216		

09/27/71
2 INSTALLATION DATE JUNE 11,1961
TMP THRM ENVIR-PAN C N2 LNE IN
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54871 02 00 00
SERIAL NO. 10308612547A

=21515



EQUATION COEFFICIENTS

A_0= -1.063 E 02
A_1= 5.892 E 01
A_2= 6.217 E-01

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.063E 02
20% = -4.674E 01
40% = 1.405E 01
50% = 4.491E 01
60% = 7.608E 01
80% = 1.394E 02
100% = 2.039E 02

MEASUREMENT NO.
2005L1211T01

MEAS LOADING NO.
1104091 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TMP THRM ENVIR-FAN C N2 LNE IN

MEASUREMENT NO. 200SL1211T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612547A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.279	38	-62.862	75	-18.780	112	25.967	149	71.379	186	117.455	223	164.197
2	-105.114	39	-61.679	76	-17.579	113	27.186	150	72.615	187	118.710	224	165.469
3	-103.949	40	-60.496	77	-16.378	114	28 405	151	73.852	188	119.965	225	166.742
4	-102.783	41	-59.312	78	-15.176	115	29.624	152	75.090	189	121.220	226	168.016
5	-101.617	42	-58.128	79	-13.974	116	30.845	153	76.328	190	122.476	227	169.290
6	-100.451	43	-56.944	80	-12.772	117	32.065	154	77.567	191	123.733	228	170.564
7	-99.284	44	-55.758	81	-11.569	118	33.286	155	78.806	192	124.990	229	171.839
8	-98.116	45	-54.573	82	-10.365	119	34.508	156	80.045	193	126.247	230	173.114
9	-96 948	46	-53.387	83	-9.161	120	35.730	157	81 285	194	127.505	231	174.390
10	-95.779	47	-52.200	84	-7.956	121	36.952	158	82.525	195	128.764	232	175.667
11	-94.610	48	-51.013	85	-6.751	122	38.175	159	83.766	196	130.023	233	176.944
12	-93.441	49	-49.826	86	-5.546	123	39.399	160	85.008	197	131.282	234	178.221
13	-92.271	50	-48 638	87	-4.340	124	40.622	161	86.250	198	132.542	235	179.499
14	-91.100	51	-47.449	88	-3.134	125	41.847	162	87.492	199	133.802	236	180.777
15	-89.929	52	-46.260	89	-1.927	126	43.072	163	88.735	200	135.063	237	182.056
16	-88.758	53	-45.071	90	-0.719	127	44.297	164	89.978	201	136.324	238	183.335
17	-87.586	54	-43.881	91	0.489	128	45.523	165	91.222	202	137.586	239	184.615
18	-86.413	55	-42.690	92	1.697	129	46.749	166	92.467	203	138.849	240	185.895
19	-85.240	56	-41.499	93	2.906	130	47.976	167	93.711	204	140.111	241	187.176
20	-84.067	57	-40.308	94	4.115	131	49.204	168	94.957	205	141.375	242	188.457
21	-82.893	58	-39.116	95	5.325	132	50.431	169	96.203	206	142.638	243	189.739
22	-81.718	59	-37.924	96	6.536	133	51.660	170	97.449	207	143.903	244	191.021
23	-80.543	60	-36.731	97	7.746	134	52.889	171	98.696	208	145.167	245	192.304
24	-79.368	61	-35.538	98	8.958	135	54.118	172	99.943	209	146.433	246	193.587
25	-78.192	62	-34.344	99	10.170	136	55.348	173	101.191	210	147.698	247	194.871
26	-77.016	63	-33.149	100	11.382	137	56.578	174	102.439	211	148.964	248	196.155
27	-75.839	64	-31.955	101	12.595	138	57.809	175	103.687	212	150.231	249	197.440
28	-74.662	65	-30.759	102	13.808	139	59.040	176	104.937	213	151.498	250	198.725
29	-73.484	66	-29.564	103	15.022	140	60.272	177	106.186	214	152.766	251	200.010
30	-72.306	67	-28.367	104	16.236	141	61.504	178	107.437	215	154.034	252	201.297
31	-71.127	68	-27.171	105	17.451	142	62.736	179	108.687	216	155.303	253	202.583
32	-69.948	69	-25.973	106	18.666	143	63.970	180	109.938	217	156.572	254	203.870
33	-68.768	70	-24.776	107	19.881	144	65.203	181	111.190	218	157.841		
34	-67.588	71	-23.577	108	21 098	145	66.437	182	112.442	219	159.111		
35	-66.407	72	-22.379	109	22.314	146	67.672	183	113.695	220	160.382		
36	-65.226	73	-21.179	110	23.531	147	68.907	184	114.948	221	161.653		
37	-64.044	74	-19.980	111	24.749	148	70.143	185	116.201	222	162.925		

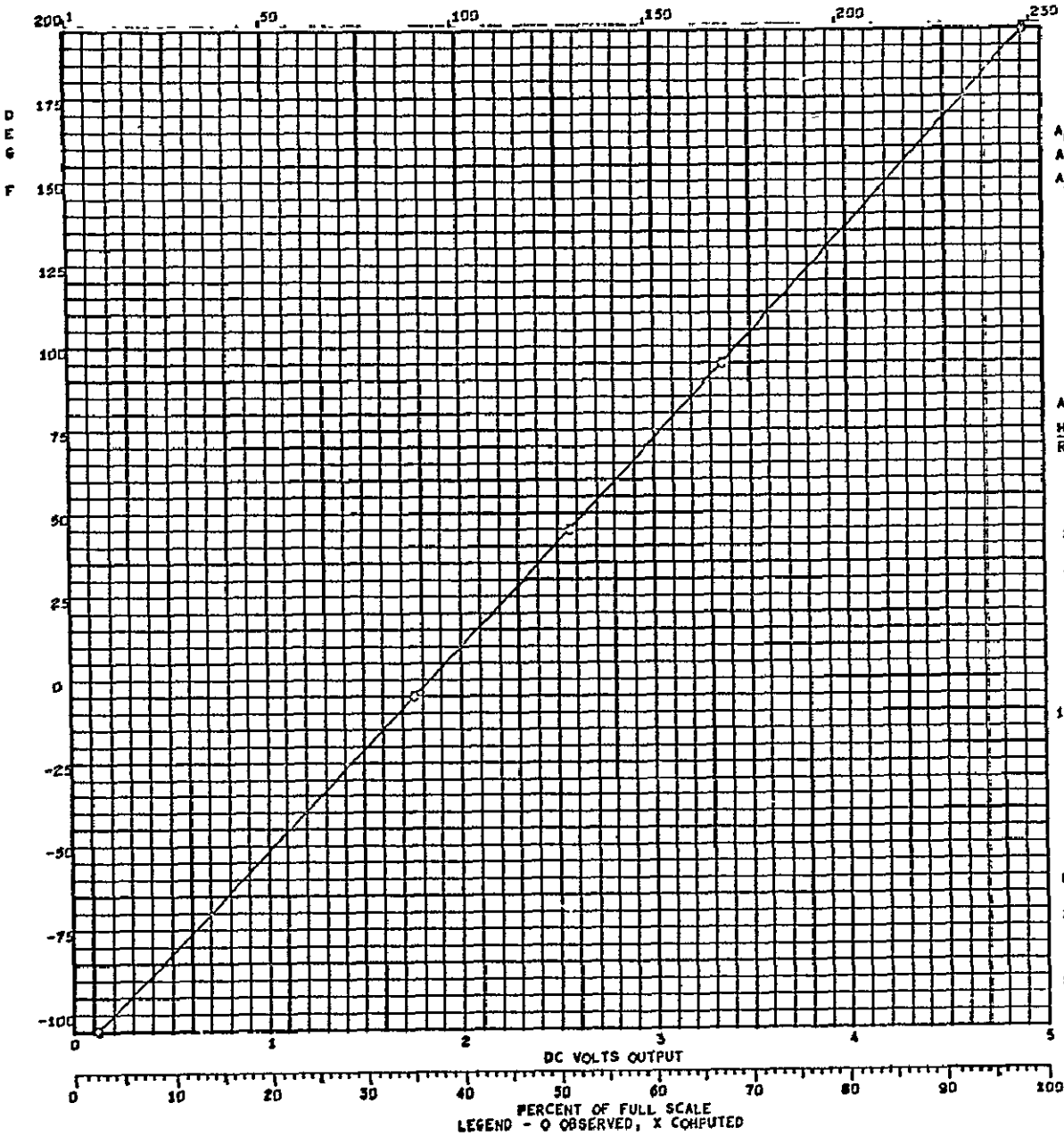
09/27/71
2 INSTALLATION DATE JUNE 11,1951
TMP THRM ENVIR-PAN CAMR N2 TK
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54875 02 00 00

SERIAL NO. 10308612552A

=21515



EQUATION COEFFICIENTS

A_0= -1.069 E 02
A_1= 5.966 E 01
A_2= 5.951 E-01

AL DEV= 0

HX DEV / RANGE = 0

0% = -1.069E 02
20% = -4.669E 01
40% = 1.476E 01
50% = 4.593E 01
60% = 7.740E 01
80% = 1.412E 02
100% = 2.062E 02

MEASUREMENT NO.

200SL1212T01

MEAS LOADING NO.

1104092 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

THP THRM ENVIR-FAN CAHR N2 TK

MEASUREMENT NO. 200SL1212T01
VEHICLE SC-113
TRANSDUCER-SERIAL-NO. 1030B612552A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.949	38	-63.004	75	-18.422	112	26.795	149	72.650	186	119.140	223	166.267
2	-105.770	39	-61.807	76	-17.209	113	28.026	150	73.898	187	120.406	224	167.550
3	-104.590	40	-60 610	77	-15.994	114	29.258	151	75.146	188	121.671	225	168.833
4	-103.410	41	-59.413	78	-14.780	115	30.490	152	76.396	189	122.938	226	170.116
5	-102.229	42	-58.215	79	-13.565	116	31.722	153	77.645	190	124.204	227	171.400
6	-101.048	43	-57.017	80	-12.349	117	32.955	154	78.895	191	125.472	228	172.685
7	-99.866	44	-55.818	81	-11.133	118	34.188	155	80.146	192	126.739	229	173.970
8	-98.684	45	-54.618	82	-9.917	119	35.422	156	81.396	193	128.007	230	175.255
9	-97.501	46	-53.419	83	-8.700	120	36.656	157	82.648	194	129.276	231	176.541
10	-96.318	47	-52.218	84	-7.482	121	37.891	158	83.900	195	130.545	232	177.827
11	-95.135	48	-51.018	85	-6.264	122	39.126	159	85.152	196	131.815	233	179.114
12	-93.951	49	-49.816	86	-5.046	123	40.361	160	86.405	197	133.085	234	180.401
13	-92.766	50	-48.615	87	-3.827	124	41.597	161	87.658	198	134.355	235	181.688
14	-91.582	51	-47.413	88	-2.608	125	42.834	162	88.912	199	135.626	236	182.977
15	-90.396	52	-46.210	89	-1.388	126	44.071	163	90.166	200	136.897	237	184.265
16	-89.210	53	-45.007	90	-0.168	127	45.308	164	91.421	201	138.169	238	185.554
17	-88.024	54	-43.804	91	1.053	128	46.546	165	92.676	202	139.441	239	186.844
18	-86.837	55	-42.600	92	2.274	129	47.785	166	93.931	203	140.714	240	188.134
19	-85.650	56	-41.395	93	3.496	130	49.023	167	95.187	204	141.987	241	189.424
20	-84.462	57	-40.190	94	4.718	131	50 263	168	96.444	205	143.261	242	190.715
21	-83.274	58	-38.985	95	5.941	132	51.503	169	97.701	206	144.535	243	192.006
22	-82.085	59	-37.779	96	7.164	133	52.743	170	98.958	207	145.810	244	193.298
23	-80.896	60	-36.573	97	8.387	134	53.983	171	100.216	208	147.085	245	194.590
24	-79.707	61	-35.366	98	9.611	135	55.225	172	101.474	209	148.361	246	195.883
25	-78.517	62	-34.159	99	10.836	136	56.466	173	102.733	210	149.637	247	197.176
26	-77.326	63	-32.951	100	12.060	137	57.708	174	103.993	211	150.913	248	198.470
27	-76.135	64	-31.743	101	13.286	138	58.951	175	105.252	212	152.190	249	199.764
28	-74.944	65	-30.534	102	14.512	139	60.194	176	106.513	213	153.468	250	201.059
29	-73.752	66	-29.325	103	15.738	140	61.437	177	107.773	214	154.745	251	202.354
30	-72.560	67	-28.116	104	16.965	141	62.681	178	109.034	215	156.024	252	203.650
31	-71.367	68	-26.906	105	18.192	142	63.926	179	110.296	216	157.303	253	204.946
32	-70.173	69	-25 695	106	19.420	143	65.171	180	111.558	217	158.582	254	206.242
33	-68.980	70	-24.484	107	20.648	144	66.416	181	112.821	218	159.862		
34	-67.786	71	-23.273	108	21.876	145	67.662	182	114.084	219	161.142		
35	-66.591	72	-22.061	109	23.105	146	68.908	183	115.347	220	162.423		
36	-65.396	73	-20.849	110	24.335	147	70.155	184	116.611	221	163.704		
37	-64.200	74	-19.636	111	25.565	148	71.402	185	117.875	222	164.985		

09/27/71

2 INSTALLATION DATE JUNE 11,1961

TEMP THRM ENVIR-MCH BOX

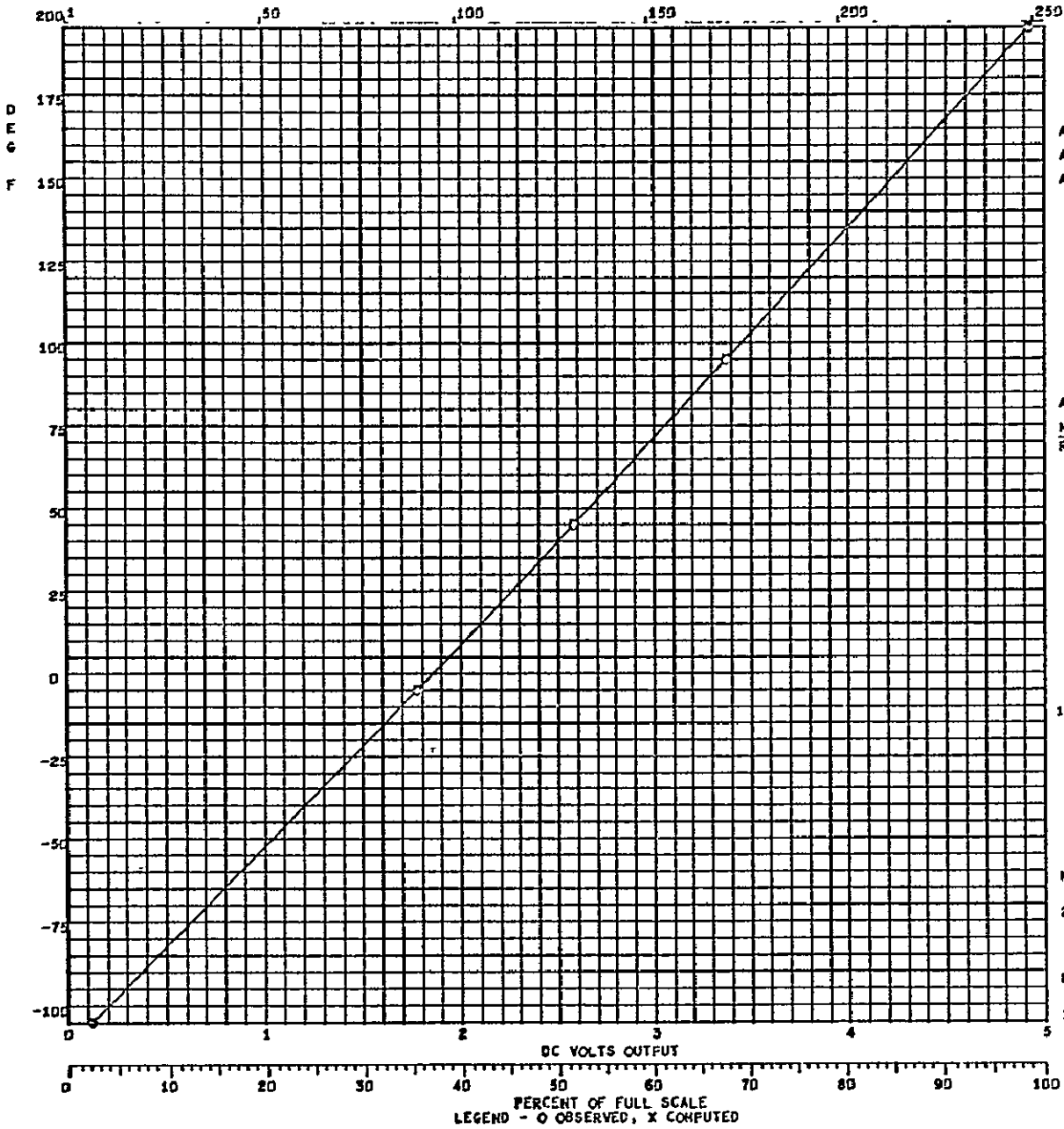
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54727 02 00 00

SERIAL NO. 10306612543A

=21515



EQUATION COEFFICIENTS

A_0= -1.069 E 02

A_1= 5.902 E 01

A_2= 6.948 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% =-1.069E 02

20% =-4.718E 01

40% = 1.392E 01

50% = 4.500E 01

60% = 7.641E 01

80% = 1.403E 02

100% = 2.056E 02

MEASUREMENT NO.

200SL1215T01

MEAS LOADING NO.

1195197 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR-MON BOX

MEASUREMENT NO. 200SL1215T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612543A
SIGNAL-CONDITIONER-SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.885	38	-63.360	75	-19.092	112	25.919	149	71.673	186	118.170	223	165.410
2	-105.719	39	-62.174	76	-17.885	113	27.146	150	72.920	187	119.437	224	166.697
3	-104.552	40	-60.986	77	-16.678	114	28.373	151	74.167	188	120.704	225	167.984
4	-103.384	41	-59.799	78	-15.470	115	29.601	152	75.415	189	121.972	226	169.273
5	-102.216	42	-58.610	79	-14.262	116	30.829	153	76.664	190	123.241	227	170.561
6	-101.047	43	-57.421	80	-13.053	117	32.058	154	77.913	191	124.510	228	171.850
7	-99.878	44	-56.232	81	-11.844	118	33.288	155	79.162	192	125.780	229	173.140
8	-98.708	45	-55.042	82	-10.634	119	34.518	156	80 413	193	127.050	230	174.431
9	-97.537	46	-53.852	83	-9.423	120	35.749	157	81.663	194	128.321	231	175.721
10	-96.366	47	-52.661	84	-8.212	121	36.980	158	82.914	195	129.592	232	177.013
11	-95.195	48	-51.469	85	-7.000	122	38.212	159	84.166	196	130.864	233	178.305
12	-94.023	49	-50 277	86	-5.788	123	39.444	160	85.419	197	132.136	234	179.597
13	-92.850	50	-49.084	87	-4.575	124	40.677	161	86.671	198	133.409	235	180.890
14	-91.677	51	-47.891	88	-3.362	125	41.910	162	87.925	199	134.683	236	182.184
15	-90.504	52	-46.698	89	-2.148	126	43.144	163	89.179	200	135.957	237	183.478
16	-89.330	53	-45.503	90	-0.934	127	44.378	164	90.433	201	137.232	238	184.773
17	-88.155	54	-44.308	91	0.281	128	45.613	165	91.688	202	138.507	239	186.068
18	-86.980	55	-43.113	92	1.496	129	46.849	166	92.944	203	139.782	240	187.364
19	-85.804	56	-41.917	93	2.712	130	48.085	167	94.200	204	141.059	241	188.660
20	-84.627	57	-40.721	94	3.929	131	49.321	168	95.457	205	142.335	242	189.957
21	-83.450	58	-39.524	95	5.146	132	50.558	169	96.714	206	143.613	243	191.254
22	-82.273	59	-38.326	96	6.363	133	51.796	170	97.972	207	144.890	244	192.552
23	-81.095	60	-37.128	97	7.582	134	53.034	171	99.230	208	146.169	245	193.851
24	-79.917	61	-35.930	98	8.800	135	54.273	172	100.489	209	147.448	246	195.150
25	-78.737	62	-34.730	99	10.020	136	55.512	173	101.748	210	148.727	247	196.449
26	-77.558	63	-33.531	100	11.239	137	56.752	174	103.008	211	150.007	248	197.749
27	-76.378	64	-32.331	101	12.460	138	57.993	175	104.269	212	151.288	249	199.050
28	-75.197	65	-31.130	102	13.680	139	59.234	176	105.530	213	152.569	250	200.351
29	-74.016	66	-29.928	103	14.902	140	60.475	177	106.791	214	153.851	251	201.653
30	-72.834	67	-28.727	104	16.124	141	61.717	178	108.053	215	155.133	252	202.955
31	-71.652	68	-27.524	105	17.346	142	62.960	179	109.316	216	156.415	253	204.258
32	-70.469	69	-26.321	106	18.569	143	64.203	180	110.579	217	157.699	254	205.561
33	-69.285	70	-25.118	107	19.793	144	65.446	181	111.843	218	158.982		
34	-68.101	71	-23.914	108	21.017	145	66.691	182	113.107	219	160.267		
35	-66.917	72	-22.709	109	22.242	146	67.935	183	114.372	220	161.552		
36	-65.732	73	-21.504	110	23.467	147	69.181	184	115.637	221	162.837		
37	-64.546	74	-20 298	111	24.693	148	70.426	185	116.903	222	164.123		

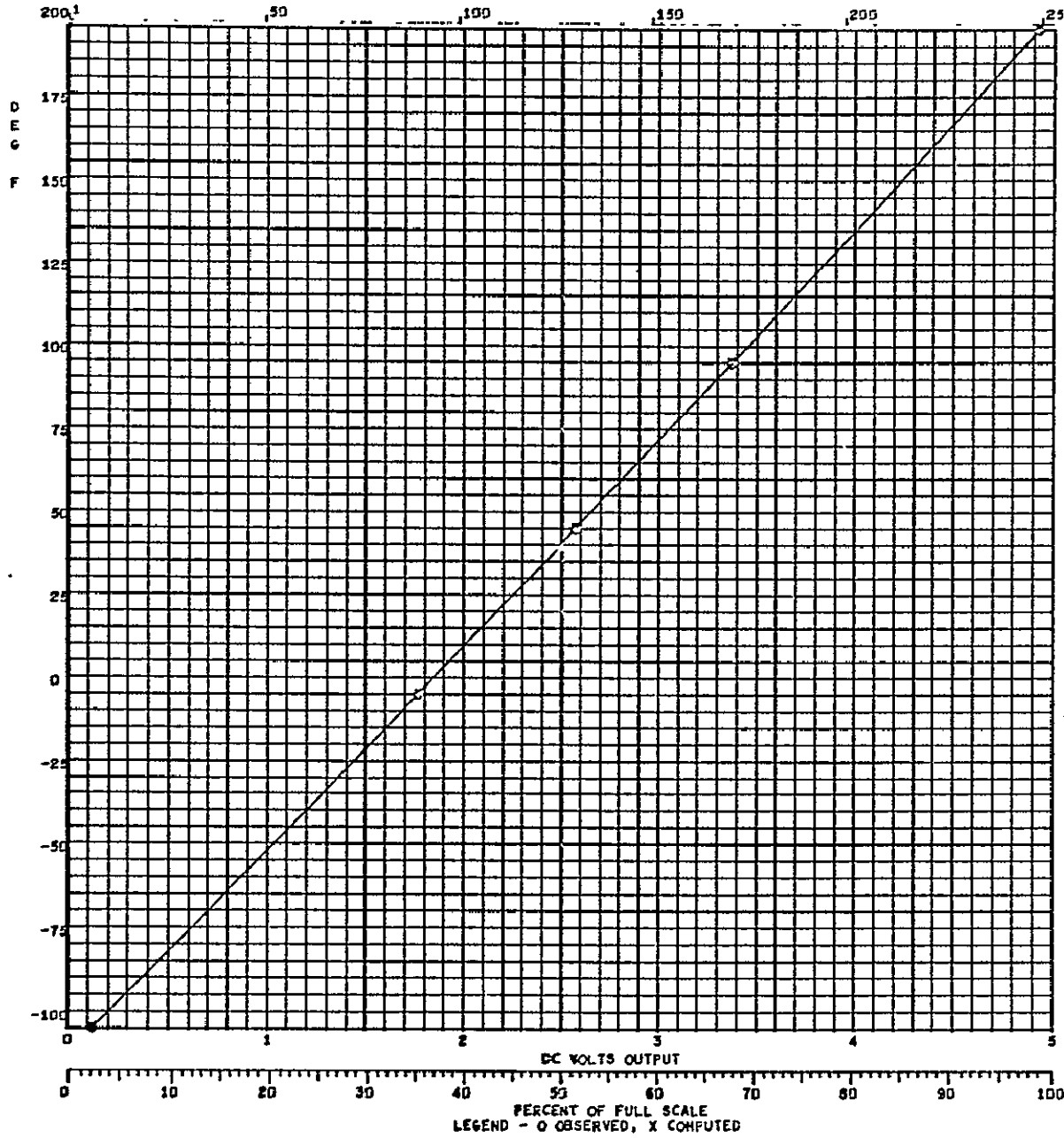
09/27/71
4 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-BH 6 X9305,R62
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54872 02 00 00

SERIAL NO. 10308612546A

=21515



EQUATION COEFFICIENTS

A_0= -1.069 E 02
A_1= 5.663 E 01
A_2= 1.574 E 00
A_3= -3.506 E-01
A_4= 3.757 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% =-1.069E 02
20% =-4.699E 01
40% = 1.447E 01
50% = 4.552E 01
60% = 7.675E 01
80% = 1.400E 02
100% = 2.053E 02

MEASUREMENT NO.
200SL1217TD1

MEAS LOADING NO.
1105124 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP THRM ENVIR-BH 6 XS305,R62

MEASUREMENT NO. 2005L1217T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612548A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.880	38	-63.295	75	-18.699	112	26.473	149	72.043	186	118.090	223	164.953
2	-105.721	39	-62.101	76	-17.484	113	27.700	150	73.280	187	119.344	224	166.236
3	-104.560	40	-60.906	77	-16.269	114	28.926	151	74.518	188	120.598	225	167.520
4	-103.399	41	-59.710	78	-15.054	115	30.154	152	75.756	189	121.853	226	168.805
5	-102.236	42	-58.513	79	-13.838	116	31.381	153	76.994	190	123.109	227	170.091
6	-101.072	43	-57.316	80	-12.622	117	32.609	154	78.233	191	124.365	228	171.378
7	-99.907	44	-56.118	81	-11.405	118	33.837	155	79.472	192	125.622	229	172.666
8	-98.741	45	-54.919	82	-10.188	119	35.065	156	80.711	193	126.879	230	173.955
9	-97.573	46	-53.720	83	-8.971	120	36.293	157	81.951	194	128.137	231	175.246
10	-96.405	47	-52.520	84	-7.753	121	37.522	158	83.191	195	129.396	232	176.537
11	-95.235	48	-51.319	85	-6.535	122	38.751	159	84.432	196	130.655	233	177.830
12	-94.064	49	-50.118	86	-5.317	123	39.981	160	85.672	197	131.915	234	179.124
13	-92.893	50	-48.916	87	-4.098	124	41.210	161	86.914	198	133.176	235	180.419
14	-91.720	51	-47.714	88	-2.879	125	42.440	162	88.155	199	134.438	236	181.715
15	-90.546	52	-46.511	89	-1.659	126	43.670	163	89.397	200	135.700	237	183.012
16	-89.371	53	-45.307	90	-0.440	127	44.901	164	90.640	201	136.963	238	184.311
17	-88.195	54	-44.103	91	0.780	128	46.131	165	91.883	202	138.226	239	185.611
18	-87.019	55	-42.899	92	2.001	129	47.362	166	93.126	203	139.491	240	186.912
19	-85.841	56	-41.693	93	3.222	130	48.593	167	94.370	204	140.756	241	188.214
20	-84.662	57	-40.487	94	4.443	131	49.825	168	95.614	205	142.022	242	189.518
21	-83.482	58	-39.281	95	5.664	132	51.057	169	96.858	206	143.288	243	190.823
22	-82.302	59	-38.074	96	6 886	133	52.289	170	98.104	207	144.556	244	192.130
23	-81.120	60	-36.867	97	8.108	134	53.521	171	99.349	208	145.824	245	193.437
24	-79.938	61	-35.659	98	9.330	135	54.754	172	100.595	209	147.093	246	194.746
25	-78.754	62	-34.451	99	10.553	136	55.987	173	101.841	210	148.363	247	196.057
26	-77.570	63	-33.242	100	11.776	137	57.220	174	103.088	211	149.634	248	197.369
27	-76.385	64	-32 032	101	12.999	138	58.454	175	104.336	212	150.905	249	198.682
28	-75.199	65	-30.822	102	14.222	139	59.688	176	105.583	213	152.178	250	199.997
29	-74.012	66	-29.612	103	15.446	140	60.922	177	106 832	214	153.451	251	201.313
30	-72.825	67	-28.401	104	16.670	141	62.156	178	108.081	215	154.725	252	202.630
31	-71.636	68	-27.190	105	17.895	142	63.391	179	109.330	216	156.001	253	203.950
32	-70.447	69	-25.978	106	19.119	143	64.626	180	110.580	217	157.277	254	205.270
33	-69.257	70	-24.766	107	20.344	144	65.861	181	111.830	218	158.554		
34	-68.066	71	-23.554	108	21.569	145	67.097	182	113.081	219	159.832		
35	-66.875	72	-22.341	109	22.795	146	68.333	183	114.333	220	161.110		
36	-65.682	73	-21.127	110	24.021	147	69.569	184	115.585	221	162.390		
37	-64.489	74	-19.913	111	25.247	148	70.806	185	116.837	222	163.671		

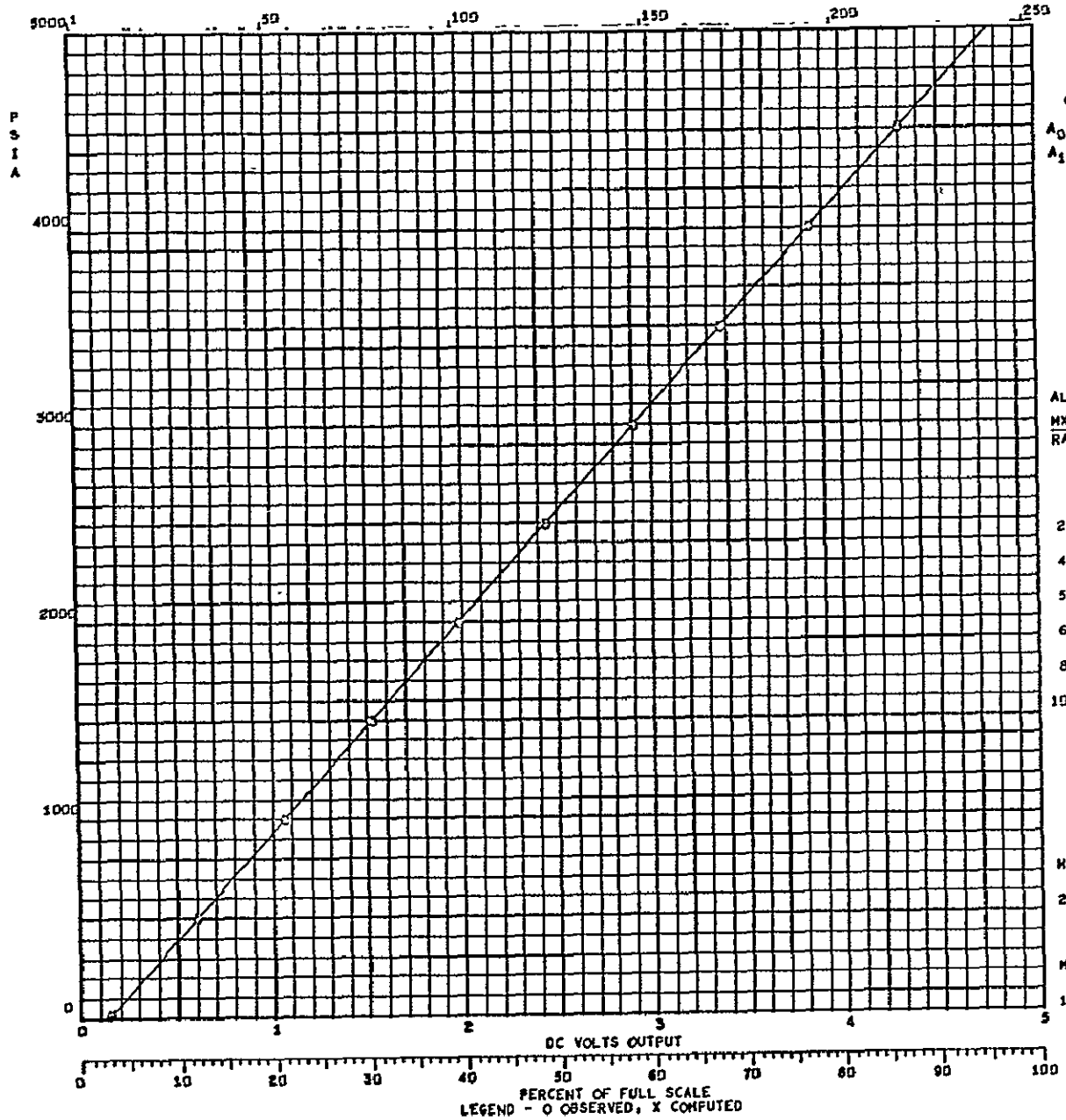
09/27/71
1 INSTALLATION DATE MAY 28,1969
HE PRESS TANK
CAL RANGE 11.4964 TO 5009.36

SC-113

HARDWARE CALIB. NO. 54745 01 00 00

SERIAL NO. 10308603239A

*21515



EQUATION COEFFICIENTS

A_0= -1.508 E 02
A_1= 1.002 E 03

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.508E 02
20% = 9.314E 02
40% = 2.014E 03
50% = 2.555E 03
60% = 3.096E 03
80% = 4.178E 03
100% = 5.260E 03

MEASUREMENT NO.
20DSP0001F01

MEAS LOADING NO.
1101041 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE PRESS TANK

MEASUREMENT NO. 200SP0001P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603239A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/28/69

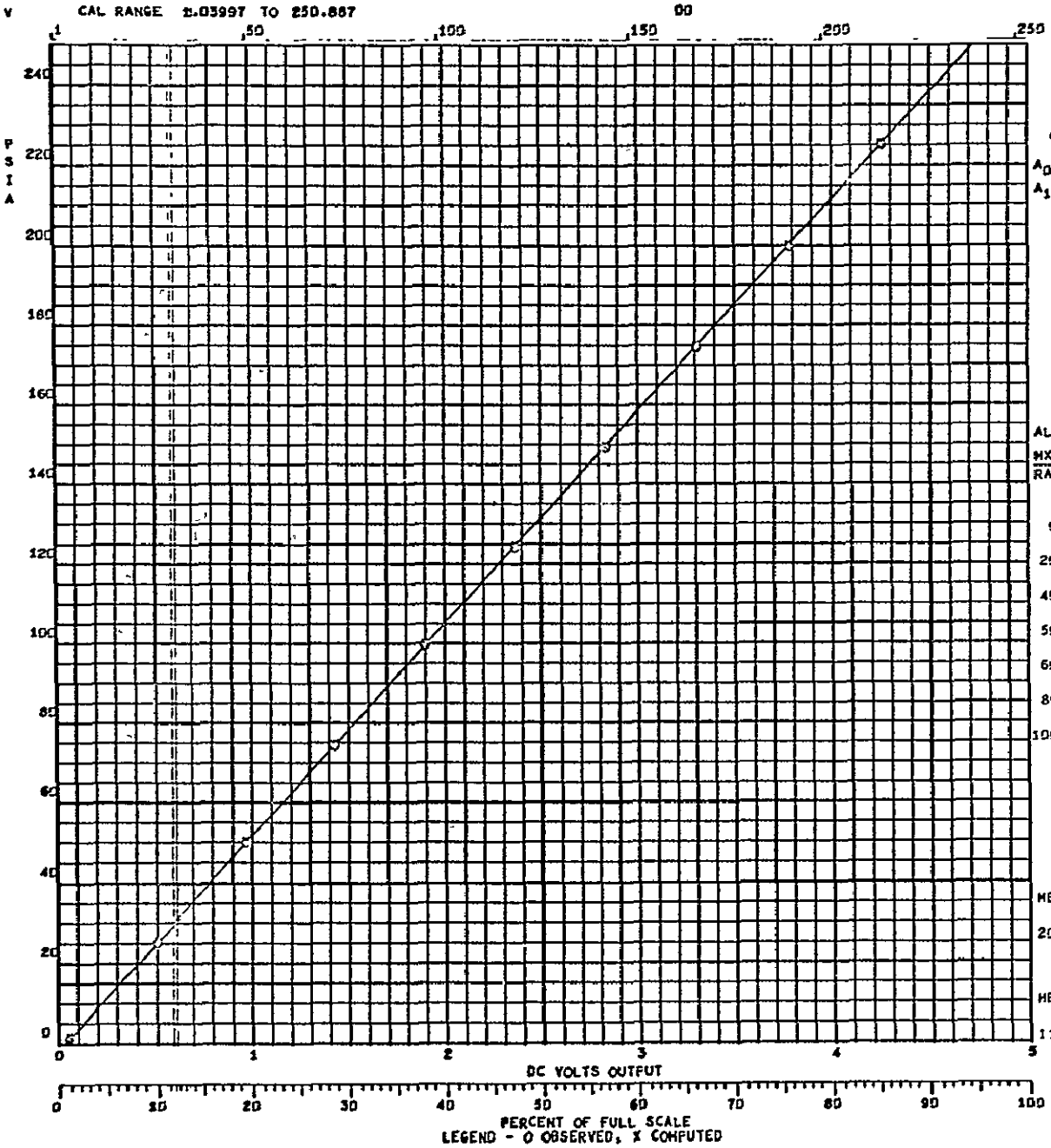
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-150.842	38	640.532	75	1431.906	112	2223.279	149	3014.653	186	3806.027	223	4597.402
2	-129.454	39	661.920	76	1453.294	113	2244.668	150	3036.042	187	3827.416	224	4618.790
3	-108.065	40	683.309	77	1474.683	114	2266.056	151	3057.430	188	3848.804	225	4640.179
4	-86.677	41	704.697	78	1496.071	115	2287.445	152	3078.819	189	3870.193	226	4661.567
5	-65.288	42	726.086	79	1517.460	116	2308.833	153	3100.207	190	3891.581	227	4682.956
6	-43.900	43	747.474	80	1538.848	117	2330.222	154	3121.596	191	3912.970	228	4704.344
7	-22.511	44	768.863	81	1560.236	118	2351.610	155	3142.984	192	3934.358	229	4725.733
8	-1.123	45	790.251	82	1581.625	119	2372.999	156	3164.373	193	3955.747	230	4747.121
9	20.266	46	811.640	83	1603.013	120	2394.387	157	3185.761	194	3977.135	231	4768.510
10	41.654	47	833.028	84	1624.402	121	2415.776	158	3207.150	195	3998.524	232	4789.898
11	63.043	48	854.417	85	1645.790	122	2437.164	159	3228.538	196	4019.912	233	4811.287
12	84.431	49	875.805	86	1667.179	123	2458.553	160	3249.927	197	4041.300	234	4832.675
13	105.820	50	897.194	87	1688.567	124	2479.941	161	3271.315	198	4062.689	235	4854.064
14	127.208	51	918.582	88	1709.956	125	2501.330	162	3292.704	199	4084.077	236	4875.452
15	148.597	52	939.971	89	1731.344	126	2522.718	163	3314.092	200	4105.466	237	4896.841
16	169.985	53	961.359	90	1752.733	127	2544.107	164	3335.481	201	4126.854	238	4918.229
17	191.374	54	982.747	91	1774.121	128	2565.495	165	3356.869	202	4148.243	239	4939.618
18	212.762	55	1004.136	92	1795.510	129	2586.884	166	3378.258	203	4169.631	240	4961.006
19	234.151	56	1025.524	93	1816.898	130	2608.272	167	3399.646	204	4191.020	241	4982.395
20	255.539	57	1046.913	94	1838.287	131	2629.661	168	3421.034	205	4212.408	242	5003.783
21	276.928	58	1068.301	95	1859.675	132	2651.049	169	3442.423	206	4233.797	243	5025.172
22	298.316	59	1089.690	96	1881.064	133	2672.438	170	3463.811	207	4255.185	244	5046.560
23	319.705	60	1111.078	97	1902.452	134	2693.826	171	3485.200	208	4276.574	245	5067.949
24	341.093	61	1132.467	98	1923.841	135	2715.215	172	3506.588	209	4297.962	246	5089.337
25	362.481	62	1153.855	99	1945.229	136	2736.603	173	3527.977	210	4319.351	247	5110.726
26	383.870	63	1175.244	100	1966.618	137	2757.992	174	3549.365	211	4340.739	248	5132.115
27	405.258	64	1196.632	101	1988.006	138	2779.380	175	3570.754	212	4362.128	249	5153.503
28	426.647	65	1218.021	102	2009.395	139	2800.768	176	3592.142	213	4383.516	250	5174.892
29	448 035	66	1239.409	103	2030.783	140	2822.157	177	3613.531	214	4404.905	251	5196.280
30	469.424	67	1260.798	104	2052.172	141	2843.545	178	3634.919	215	4426.294	252	5217.669
31	490 812	68	1282.186	105	2073.560	142	2864.934	179	3656.308	216	4447.682	253	5239 057
32	512.201	69	1303 575	106	2094.949	143	2886.322	180	3677.696	217	4469.071	254	5260 446
33	533.589	70	1324.963	107	2116.337	144	2907.711	181	3699.085	218	4490.459		
34	554.978	71	1346.352	108	2137.726	145	2929.099	182	3720.473	219	4511.848		
35	576.366	72	1367.740	109	2159.114	146	2950.488	183	3741.862	220	4533.236		
36	597.755	73	1389.129	110	2180.503	147	2971.876	184	3763.250	221	4554.625		
37	619.143	74	1410.517	111	2201.891	148	2993.265	185	3784.639	222	4576.013		

09/27/71
1 INSTALLATION DATE MARCH 19,1961
PRESS OXIDIZER TANKS
V CAL RANGE ±.03997 TO 250.887

SC-113

HARDWARE CALIB. NO. 54832 03 00 00
SERIAL NO. 10308603097A

x21515



EQUATION COEFFICIENTS

A_0= -1.464 E 00
A_1= 5.327 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.464E 00
20% = 5.181E 01
40% = 1.051E 02
50% = 1.317E 02
60% = 1.584E 02
80% = 2.116E 02
100% = 2.649E 02

MEASUREMENT NO.
2005P0003P02

MEAS LOADING NO.
1101042 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS OXIDIZER TANKS

MEASUREMENT NO. 200SP0003P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603097A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/19/61

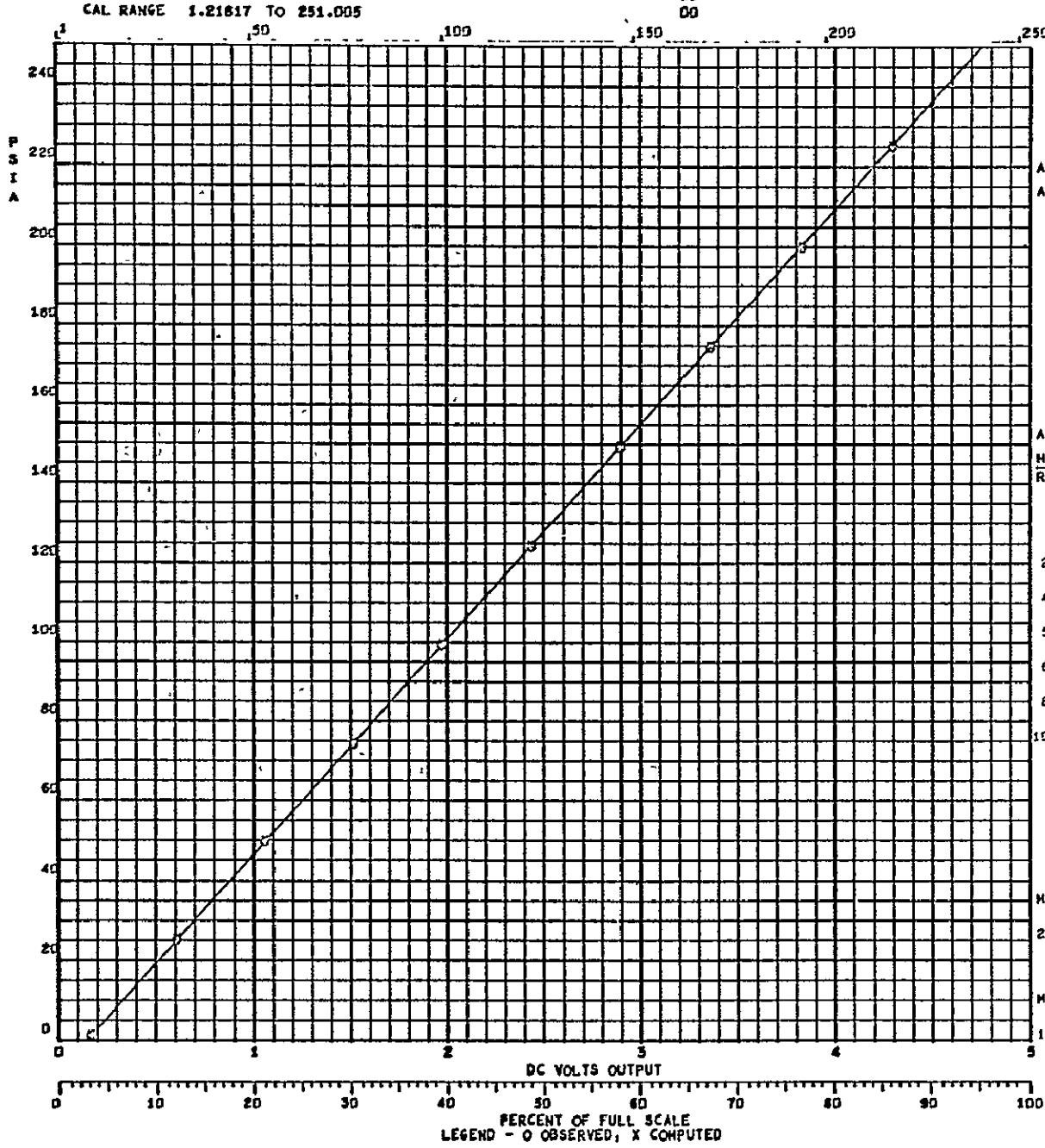
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-1.464	38	37.490	75	76.444	112	115.399	149	154.353	186	193.307	223	232.261
2	-0.411	39	38.543	76	77.497	113	116.451	150	155.405	187	194.360	224	233.314
3	0.642	40	39.596	77	78.550	114	117.504	151	156.458	188	195.412	225	234.367
4	1.695	41	40.649	78	79.603	115	118.557	152	157.511	189	196.465	226	235.419
5	2.747	42	41.702	79	80.656	116	119.610	153	158.564	190	197.518	227	236.472
6	3.800	43	42.754	80	81.708	117	120.663	154	159.617	191	198.571	228	237.525
7	4.853	44	43.807	81	82.761	118	121.715	155	160.670	192	199.624	229	238.578
8	5.906	45	44.860	82	83.814	119	122.768	156	161.722	193	200.676	230	239.631
9	6.959	46	45.913	83	84.867	120	123.821	157	162.775	194	201.729	231	240.683
10	8.011	47	46.966	84	85.920	121	124.874	158	163.828	195	202.782	232	241.736
11	9.064	48	48.018	85	86.973	122	125.927	159	164.881	196	203.835	233	242.789
12	10.117	49	49.071	86	88.025	123	126.979	160	165.934	197	204.888	234	243.842
13	11.170	50	50.124	87	89.078	124	128.032	161	166.986	198	205.940	235	244.895
14	12.223	51	51.177	88	90.131	125	129.085	162	168.039	199	206.993	236	245.947
15	13.276	52	52.230	89	91.184	126	130.138	163	169.092	200	208.046	237	247.000
16	14.328	53	53.282	90	92.237	127	131.191	164	170.145	201	209.099	238	248.053
17	15.381	54	54.335	91	93.289	128	132.244	165	171.198	202	210.152	239	249.106
18	16.434	55	55.388	92	94.342	129	133.296	166	172.250	203	211.205	240	250.159
19	17.487	56	56.441	93	95.395	130	134.349	167	173.303	204	212.257	241	251.212
20	18.540	57	57.494	94	96.448	131	135.402	168	174.356	205	213.310	242	252.264
21	19.592	58	58.547	95	97.501	132	136.455	169	175.409	206	214.363	243	253.317
22	20.645	59	59.599	96	98.553	133	137.508	170	176.462	207	215.416	244	254.370
23	21.698	60	60.652	97	99.606	134	138.560	171	177.515	208	216.469	245	255.423
24	22.751	61	61.705	98	100.659	135	139.613	172	178.567	209	217.521	246	256.476
25	23.804	62	62.758	99	101.712	136	140.666	173	179.620	210	218.574	247	257.528
26	24 857	63	63.811	100	102.765	137	141.719	174	180.673	211	219 627	248	258.581
27	25.909	64	64.863	101	103.818	138	142.772	175	181.726	212	220.680	249	259.634
28	26.962	65	65.916	102	104.870	139	143.824	176	182.779	213	221.733	250	260.687
29	28.015	66	66.969	103	105.923	140	144.877	177	183.831	214	222.786	251	261.740
30	29.068	67	68.022	104	106.976	141	145.930	178	184.884	215	223.838	252	262.793
31	30.121	68	69.075	105	108.029	142	146.983	179	185.937	216	224.891	253	263.845
32	31.173	69	70.128	106	109.082	143	148.036	180	186.990	217	225.944	254	264.898
33	32.226	70	71.180	107	110.134	144	149.089	181	188.043	218	226.997		
34	33.279	71	72.233	108	111.187	145	150.141	182	189.095	219	228.050		
35	34.332	72	73.286	109	112.240	146	151.194	183	190.148	220	229.102		
36	35.385	73	74.339	110	113.293	147	152.247	184	191.201	221	230.155		
37	36.437	74	75.392	111	114.346	148	153.300	185	192.254	222	231.208		

09/27/71
1 INSTALLATION DATE APRIL 7,1969
PRESS FUEL TANKS
CAL RANGE 1.21817 TO 251.005

SC-113

HARDWARE CALIB. NO. 76806 01 00 00
SERIAL NO. 10308603101A

=21515



EQUATION COEFFICIENTS

A_0= -7.511 E 00
A_1= 5.422 E 01

AL DEV= 0
HX DEV / RANGE = 0

0% =-7.511E 00
20% = 4.671E 01
40% = 1.009E 02
50% = 1.280E 02
60% = 1.551E 02
80% = 2.094E 02
100% = 2.636E 02

MEASUREMENT NO.
200SP0006P01

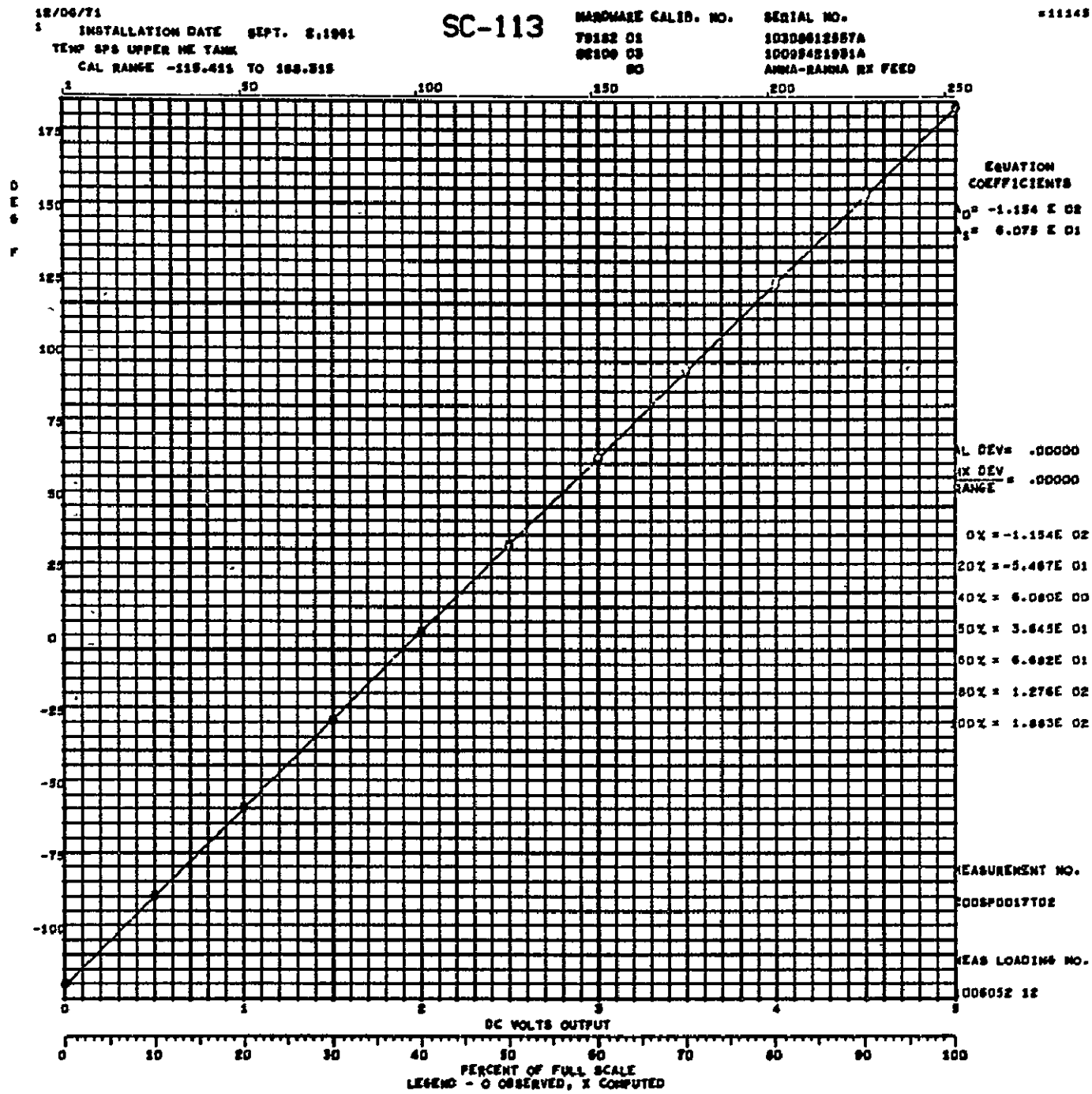
MEAS LOADING NO.
1101043 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS FUEL TANKS

MEASUREMENT NO. 200SP0006P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603101A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/07/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-7.511	38	32.135	75	71.781	112	111.428	149	151.074	186	190.720	223	230.366
2	-6.440	39	33.207	76	72.853	113	112.499	150	152.145	187	191.792	224	231.438
3	-5.368	40	34.278	77	73.924	114	113.571	151	153.217	188	192.863	225	232.509
4	-4.297	41	35.350	78	74.996	115	114.642	152	154.288	189	193.935	226	233.581
5	-3.225	42	36.421	79	76.067	116	115.714	153	155.360	190	195.006	227	234.652
6	-2.153	43	37.493	80	77.139	117	116.785	154	156.431	191	196.078	228	235.724
7	-1.082	44	38.564	81	78.211	118	117.857	155	157.503	192	197.149	229	236.796
8	-0 010	45	39.636	82	79.282	119	118.928	156	158.575	193	198.221	230	237.867
9	1.061	46	40.707	83	80.354	120	120.000	157	159.646	194	199.292	231	238.939
10	2 133	47	41.779	84	81.425	121	121.071	158	160.718	195	200.364	232	240.010
11	3.204	48	42.850	85	82.497	122	122.143	159	161.789	196	201.435	233	241.082
12	4 276	49	43.922	86	83.568	123	123.214	160	162 861	197	202.507	234	242.153
13	5.347	50	44.993	87	84.640	124	124.286	161	163.932	198	203.578	235	243.225
14	6 419	51	46.065	88	85.711	125	125.357	162	165.004	199	204.650	236	244.296
15	7.490	52	47.136	89	86.783	126	126.429	163	166.075	200	205.721	237	245.368
16	8.562	53	48.208	90	87.854	127	127.500	164	167.147	201	206.793	238	246.439
17	9.633	54	49 279	91	88.926	128	128.572	165	168.218	202	207.864	239	247.511
18	10.705	55	50.351	92	89.997	129	129.643	166	169.290	203	208.936	240	248.582
19	11.776	56	51.423	93	91.069	130	130.715	167	170.361	204	210.007	241	249.654
20	12.848	57	52.494	94	92.140	131	131.787	168	171.433	205	211.079	242	250.725
21	13.919	58	53.566	95	93.212	132	132.858	169	172.504	206	212.151	243	251.797
22	14 991	59	54.637	96	94.283	133	133.930	170	173.576	207	213 222	244	252.868
23	16.062	60	55.709	97	95.355	134	135.001	171	174.647	208	214.294	245	253.940
24	17.134	61	56.780	98	96.426	135	136.073	172	175.719	209	215.365	246	255.011
25	18.205	62	57.852	99	97.498	136	137.144	173	176.790	210	216.437	247	256.083
26	19.277	63	58.923	100	98.569	137	138 216	174	177.862	211	217.508	248	257.154
27	20.348	64	59.995	101	99.641	138	139.287	175	178.933	212	218.580	249	258.226
28	21.420	65	61.066	102	100.712	139	140.359	176	180.005	213	219.651	250	259.297
29	22.491	66	62.138	103	101.784	140	141.430	177	181.076	214	220.723	251	260.369
30	23.563	67	63.209	104	102.855	141	142.502	178	182.148	215	221.794	252	261.441
31	24.635	68	64.281	105	103.927	142	143.573	179	183.219	216	222.866	253	262.512
32	25.706	69	65.352	106	104.999	143	144.645	180	184.291	217	223.937	254	263.584
33	26.778	70	66 424	107	106.070	144	145.716	181	185.363	218	225.009		
34	27.849	71	67.495	108	107.142	145	146.788	182	186.434	219	226.080		
35	28.921	72	68.567	109	108.213	146	147.859	183	187.506	220	227.152		
36	29.992	73	69.638	110	109 285	147	148.931	184	188.577	221	228 223		
37	31.064	74	70.710	111	110.356	148	150.002	185	189.649	222	229.295		


12/06/71
1 INSTALLATION DATE SEPT. 8,1961
TEMP SPS UPPER HE TANK
CAL RANGE -115.411 TO 188.315
SC-113
HARDWARE CALIB. NO.
79182 01
82100 03
80
SERIAL NO.
103086123S7A
100094219S1A
ANNA-RANNA RX FEED
=11143
EQUATION COEFFICIENTS
C_0= -1.154 E 02
C_1= 6.075 E 01
L DEV= .00000
%X DEV / RANGE = .00000
0% = -1.154E 02
20% = -5.467E 01
40% = 6.080E 00
50% = 3.645E 01
60% = 6.682E 01
80% = 1.276E 02
100% = 1.883E 02
MEASUREMENT NO.
2005F0017T02
MEAS LOADING NO.
006052 12
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND: - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP #5 UPPER HE TANK

MEASUREMENT NO. 2005P0017T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612557A
SIGNAL CONDITIONER SERIAL NO. 10095421031A
AUXILIARY COMPONENT SERIAL NO. AMMA-RAMMA RX FEED
CALIBRATION DATE 09/02/61

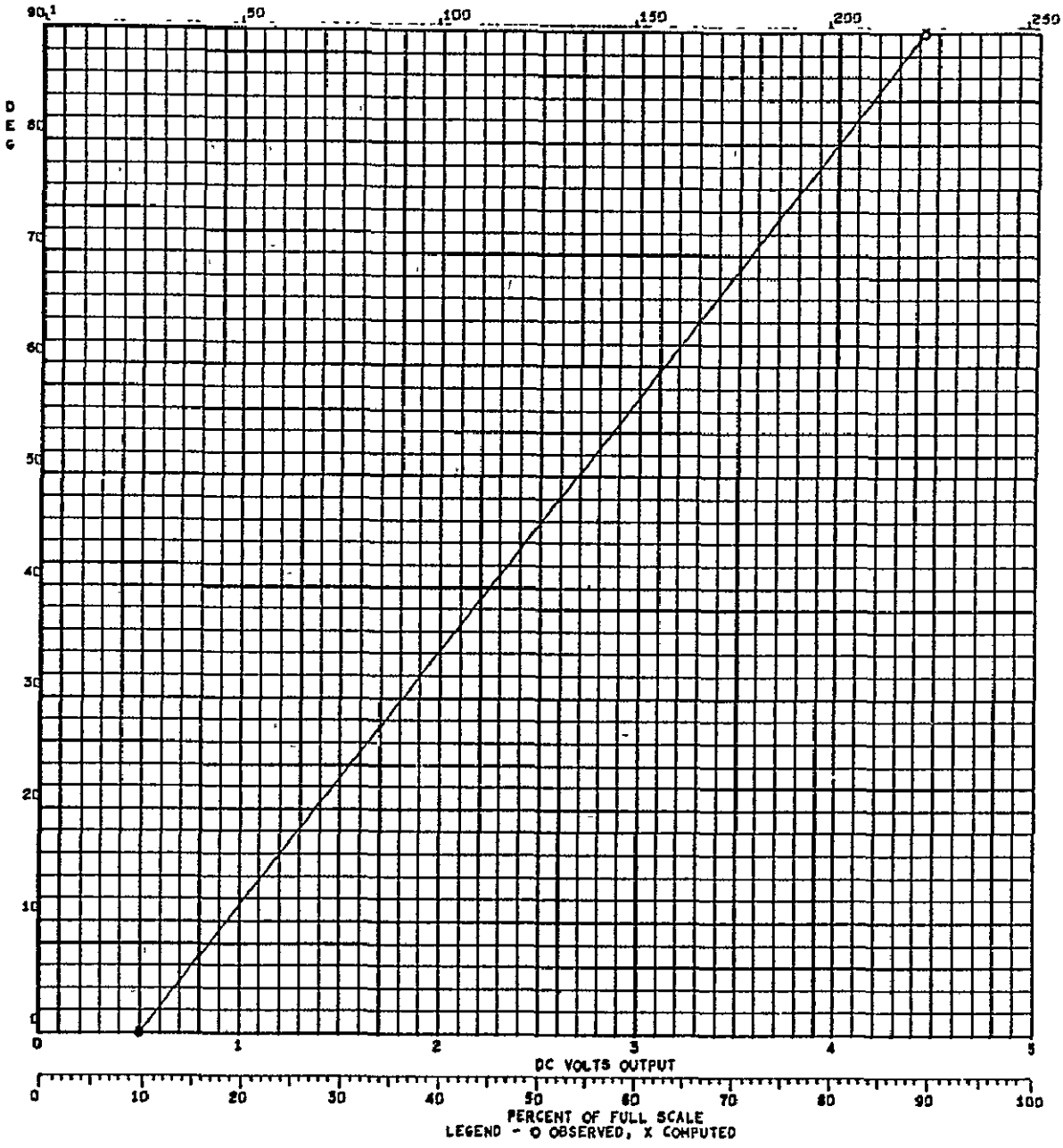
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-115.411	38	-70.992	75	-25.574	112	17.845	149	62.263	186	106.681	223	151.100
2	-114.210	39	-69.792	76	-25.373	113	19.045	150	63.464	187	107.882	224	152.300
3	-113.010	40	-68.591	77	-24.173	114	20.246	151	64.664	188	109.082	225	153.501
4	-111.809	41	-67.391	78	-22.972	115	21.446	152	65.865	189	110.283	226	154.701
5	-110.609	42	-66.190	79	-21.772	116	22.647	153	67.065	190	111.483	227	155.902
6	-109.408	43	-64.990	80	-20.571	117	23.847	154	68.266	191	112.684	228	157.102
7	-108.208	44	-63.789	81	-19.371	118	25.048	155	69.466	192	113.884	229	158.303
8	-107.007	45	-62.589	82	-18.170	119	26.248	156	70.667	193	115.085	230	159.503
9	-105.807	46	-61.388	83	-16.970	120	27.449	157	71.867	194	116.285	231	160.704
10	-104.606	47	-60.188	84	-15.769	121	28.649	158	73.068	195	117.486	232	161.904
11	-103.406	48	-58.987	85	-14.569	122	29.850	159	74.268	196	118.686	233	163.105
12	-102.205	49	-57.787	86	-13.368	123	31.050	160	75.469	197	119.887	234	164.305
13	-101.005	50	-56.586	87	-12.168	124	32.251	161	76.669	198	121.087	235	165.506
14	-99.804	51	-55.386	88	-10.967	125	33.451	162	77.869	199	122.288	236	166.707
15	-98.604	52	-54.185	89	-9.767	126	34.652	163	79.070	200	123.488	237	167.907
16	-97.403	53	-52.985	90	-8.566	127	35.852	164	80.270	201	124.689	238	169.108
17	-96.203	54	-51.784	91	-7.366	128	37.053	165	81.471	202	125.889	239	170.308
18	-95.002	55	-50.584	92	-6.165	129	38.253	166	82.671	203	127.090	240	171.509
19	-93.802	56	-49.383	93	-4.965	130	39.454	167	83.872	204	128.290	241	172.709
20	-92.601	57	-48.183	94	-3.764	131	40.654	168	85.072	205	129.491	242	173.910
21	-91.401	58	-46.982	95	-2.564	132	41.855	169	86.273	206	130.691	243	175.110
22	-90.200	59	-45.782	96	-1.363	133	43.055	170	87.473	207	131.892	244	176.311
23	-89.000	60	-44.581	97	-0.163	134	44.256	171	88.674	208	133.092	245	177.511
24	-87.799	61	-43.381	98	1.038	135	45.456	172	89.874	209	134.293	246	178.712
25	-86.599	62	-42.180	99	2.238	136	46.657	173	91.075	210	135.493	247	179.912
26	-85.398	63	-40.980	100	3.439	137	47.857	174	92.275	211	136.694	248	181.113
27	-84.198	64	-39.779	101	4.639	138	49.058	175	93.476	212	137.894	249	182.313
28	-82.997	65	-38.579	102	5.840	139	50.258	176	94.676	213	139.095	250	183.514
29	-81.797	66	-37.378	103	7.040	140	51.459	177	95.877	214	140.295	251	184.714
30	-80.596	67	-36.178	104	8.241	141	52.659	178	97.077	215	141.496	252	185.915
31	-79.396	68	-34.977	105	9.441	142	53.860	179	98.278	216	142.696	253	187.115
32	-78.195	69	-33.777	106	10.642	143	55.060	180	99.478	217	143.897	254	188.316
33	-76.995	70	-32.576	107	11.842	144	56.261	181	100.679	218	145.097		
34	-75.794	71	-31.376	108	13.043	145	57.461	182	101.879	219	146.298		
35	-74.594	72	-30.175	109	14.243	146	58.662	183	103.080	220	147.498		
36	-73.393	73	-28.975	110	15.444	147	59.862	184	104.280	221	148.699		
37	-72.193	74	-27.774	111	16.644	148	61.063	185	105.481	222	149.899		

09/27/71
1 INSTALLATION DATE JUNE 18,1969
POSITION FUEL/OX VLV 1 POT B
CAL RANGE -.000003 TO 89.9999

SC-113

HARDWARE CALIB. NO. 80455 01 00 00
SERIAL NO. 001690000139

=21515



EQUATION COEFFICIENTS

A_0= -1.140 E 01
A_1= 2.291 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.140E 01
20% = 1.152E 01
40% = 3.443E 01
50% = 4.589E 01
60% = 5 735E 01
80% = 8.026E 01
100% = 1.032E 02

MEASUREMENT NO.
200SP0022H01

MEAS LOADING NO.
1101108 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

POSITION FUEL/OX VLV 1 POT B

MEASUREMENT NO. 200SP0022H01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001890000139
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-11.398	38	5.358	75	22.114	112	38.870	149	55.626	186	72.381	223	89.137
2	-10.945	39	5.811	76	22.567	113	39.323	150	56.078	187	72.834	224	89.590
3	-10.492	40	6.264	77	23.020	114	39.775	151	56.531	188	73.287	225	90.043
4	-10.039	41	6.717	78	23.472	115	40.228	152	56.984	189	73.740	226	90.496
5	-9.586	42	7.169	79	23.925	116	40.681	153	57.437	190	74.193	227	90.949
6	-9.133	43	7.622	80	24.378	117	41.134	154	57.890	191	74.646	228	91.402
7	-8.681	44	8.075	81	24.831	118	41.587	155	58.343	192	75.099	229	91.854
8	-8.228	45	8.528	82	25.284	119	42.040	156	58.796	193	75.551	230	92.307
9	-7.775	46	8.981	83	25.737	120	42.493	157	59.248	194	76.004	231	92.760
10	-7.322	47	9.434	84	26.190	121	42.945	158	59.701	195	76.457	232	93.213
11	-6.869	48	9.887	85	26.642	122	43.398	159	60.154	196	76.910	233	93.666
12	-6.416	49	10.340	86	27.095	123	43.851	160	60.607	197	77.363	234	94.119
13	-5.963	50	10.792	87	27.548	124	44.304	161	61.060	198	77.816	235	94.572
14	-5.511	51	11.245	88	28.001	125	44.757	162	61.513	199	78.269	236	95.024
15	-5.058	52	11.698	89	28.454	126	45.210	163	61.966	200	78.721	237	95.477
16	-4.605	53	12.151	90	28.907	127	45.663	164	62.418	201	79.174	238	95.930
17	-4.152	54	12.604	91	29.360	128	46.115	165	62.871	202	79.627	239	96.383
18	-3.699	55	13.057	92	29.813	129	46.568	166	63.324	203	80.080	240	96.836
19	-3 246	56	13.510	93	30.265	130	47.021	167	63.777	204	80.533	241	97.289
20	-2.793	57	13.962	94	30.718	131	47.474	168	64.230	205	80.986	242	97.742
21	-2.341	58	14.415	95	31.171	132	47.927	169	64.683	206	81.439	243	98.194
22	-1.888	59	14.868	96	31.624	133	48.380	170	65.136	207	81.891	244	98.647
23	-1.435	60	15.321	97	32.077	134	48.833	171	65.589	208	82.344	245	99.100
24	-0.982	61	15.774	98	32.530	135	49.286	172	66.041	209	82.797	246	99.553
25	-0.529	62	16.227	99	32.983	136	49.738	173	66.494	210	83.250	247	100.006
26	-0.076	63	16.680	100	33.435	137	50.191	174	66.947	211	83.703	248	100.459
27	0.377	64	17.132	101	33.888	138	50.644	175	67.400	212	84.156	249	100.912
28	0.829	65	17.585	102	34.341	139	51.097	176	67.853	213	84.609	250	101.365
29	1.282	66	18.038	103	34.794	140	51.550	177	68.306	214	85.062	251	101.817
30	1.735	67	18.491	104	35.247	141	52.003	178	68.759	215	85.514	252	102.270
31	2.188	68	18.944	105	35.700	142	52.456	179	69 211	216	85.967	253	102.723
32	2.641	69	19.397	106	36.153	143	52.908	180	69.664	217	86.420	254	103.176
33	3.094	70	19.850	107	36.605	144	53.361	181	70.117	218	86.873		
34	3.547	71	20.302	108	37.058	145	53.814	182	70.570	219	87.326		
35	3.999	72	20.755	109	37.511	146	54.267	183	71.023	220	87.779		
36	4.452	73	21.208	110	37.964	147	54.720	184	71.476	221	88.232		
37	4.905	74	21.661	111	38.417	148	55.173	185	71.929	222	88.684		

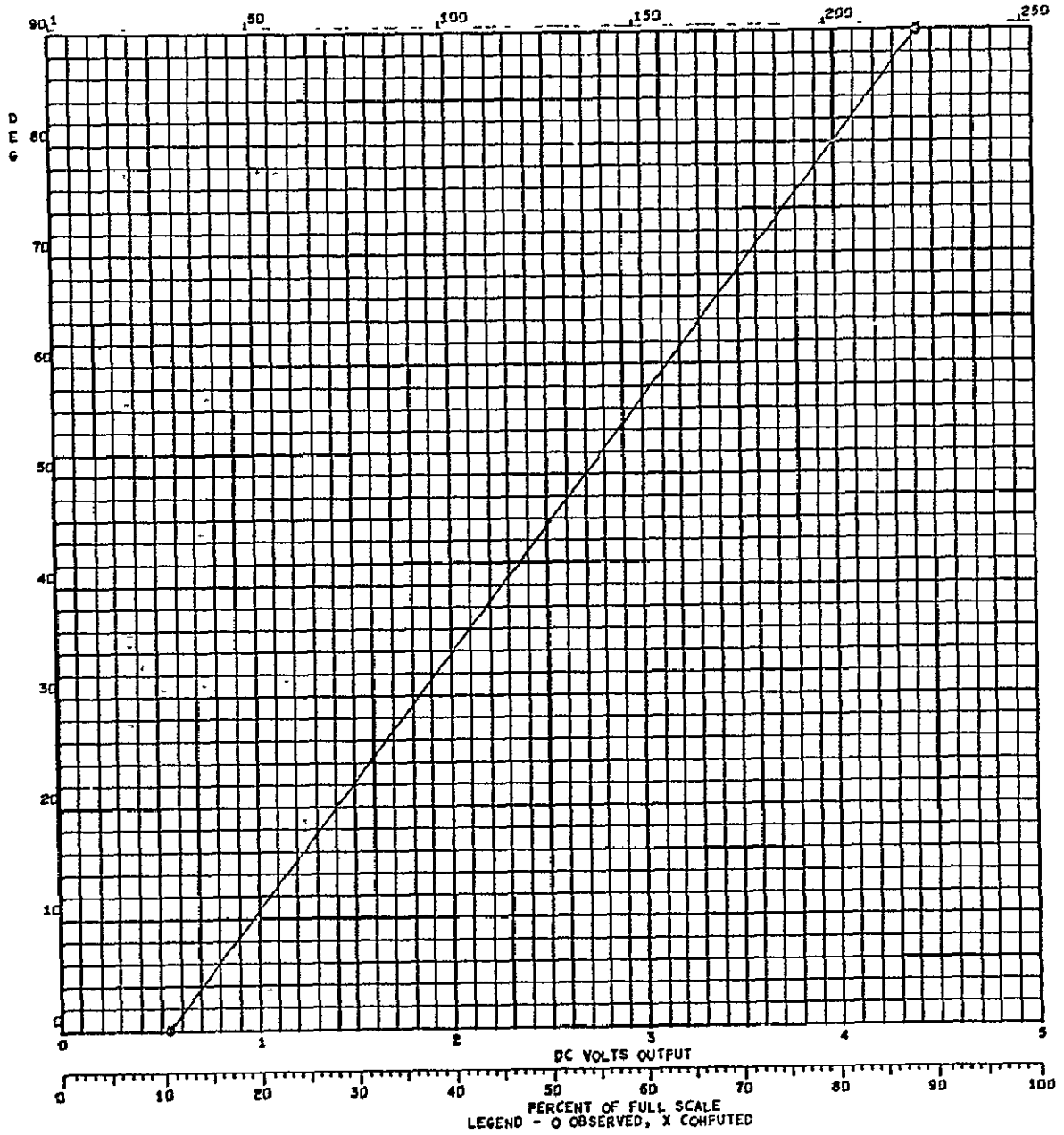
09/27/71
1 INSTALLATION DATE JUNE 10,1969
POSITION FUEL/OX VLV 2 POT B
CAL RANGE -.000005 TO 69.9999

SC-113

HARDWARE CALIB. NO. 80456 01 00 00

SERIAL NO. 001690000139

=21515



EQUATION COEFFICIENTS

A_0= -1.241 E 01

A_1= 2.316 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = -1.241E 01

20% = 1.075E 01

40% = 3.391E 01

50% = 4.549E 01

60% = 5.707E 01

80% = 8.023E 01

100% = 1.034E 02

MEASUREMENT NO.

200SP0023H01

MEAS LOADING NO.

1101113 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

POSITION FUEL/ox VLV 2 POT B

MEASUREMENT NO. 200SP0023H01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001890000139
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-12.406	38	4.528	75	21.462	112	38.396	149	55.330	186	72.264	223	89.198
2	-11.948	39	4.986	76	21.920	113	38.854	150	55.787	187	72.721	224	89.655
3	-11.491	40	5.443	77	22.377	114	39.311	151	56.245	188	73.179	225	90,113
4	-11.033	41	5.901	78	22.835	115	39.769	152	56.703	189	73.637	226	90.571
5	-10.575	42	6.359	79	23.293	116	40.227	153	57.160	190	74.094	227	91.028
6	-10.118	43	6 816	80	23.750	117	40.684	154	57.618	191	74.552	228	91.486
7	-9.660	44	7.274	81	24.208	118	41.142	155	58 076	192	75.010	229	91.944
8	-9.202	45	7.732	82	24.666	119	41.600	156	58.533	193	75.467	230	92.401
9	-8.745	46	8.189	83	25.123	120	42.057	157	58.991	194	75.925	231	92.859
10	-8.287	47	8.647	84	25.581	121	42.515	158	59.449	195	76.383	232	93.317
11	-7.829	48	9.105	85	26.039	122	42.973	159	59.906	196	76.840	233	93.774
12	-7.371	49	9.562	86	26.496	123	43.430	160	60.364	197	77.298	234	94.232
13	-6.914	50	10.020	87	26.954	124	43.888	161	60.822	198	77.756	235	94.690
14	-6.456	51	10.478	88	27.412	125	44.346	162	61.279	199	78.213	236	95.147
15	-5.998	52	10.935	89	27.869	126	44.803	163	61.737	200	78.671	237	95.605
16	-5.541	53	11.393	90	28.327	127	45.261	164	62.195	201	79.129	238	96.063
17	-5.083	54	11.851	91	28.785	128	45.719	165	62.653	202	79.586	239	96.520
18	-4.625	55	12.308	92	29.242	129	46.176	166	63.110	203	80.044	240	96.978
19	-4.168	56	12.766	93	29.700	130	46.634	167	63.568	204	80.502	241	97.436
20	-3.710	57	13.224	94	30.158	131	47.092	168	64.026	205	80.959	242	97.893
21	-3.252	58	13.681	95	30.615	132	47.549	169	64.483	206	81.417	243	98.351
22	-2.795	59	14.139	96	31.073	133	48.007	170	64.941	207	81.875	244	98.809
23	-2.337	60	14.597	97	31.531	134	48.465	171	65.399	208	82.332	245	99.266
24	-1.879	61	15.055	98	31.988	135	48.922	172	65.856	209	82.790	246	99.724
25	-1.422	62	15.512	99	32.446	136	49.380	173	66.314	210	83.248	247	100.182
26	-0.964	63	15.970	100	32.904	137	49.838	174	66.772	211	83.705	248	100.639
27	-0.506	64	16.428	101	33.361	138	50.295	175	67.229	212	84.163	249	101.097
28	-0.049	65	16.885	102	33.819	139	50.753	176	67.687	213	84.621	250	101.555
29	0.409	66	17.343	103	34.277	140	51.211	177	68.145	214	85.079	251	102.012
30	0.867	67	17.801	104	34.734	141	51.668	178	68.602	215	85.536	252	102.470
31	1.324	68	18.258	105	35.192	142	52.126	179	69.060	216	85.994	253	102.928
32	1.782	69	18.716	106	35.650	143	52.584	180	69.518	217	86.452	254	103.385
33	2.240	70	19.174	107	36.107	144	53.041	181	69.975	218	86.909		
34	2.697	71	19.631	108	36.565	145	53.499	182	70.433	219	87.367		
35	3.155	72	20.089	109	37.023	146	53.957	183	70.891	220	87.825		
36	3.613	73	20.547	110	37.480	147	54.414	184	71.348	221	88.282		
37	4.070	74	21.004	111	37.938	148	54.872	185	71.806	222	88.740		

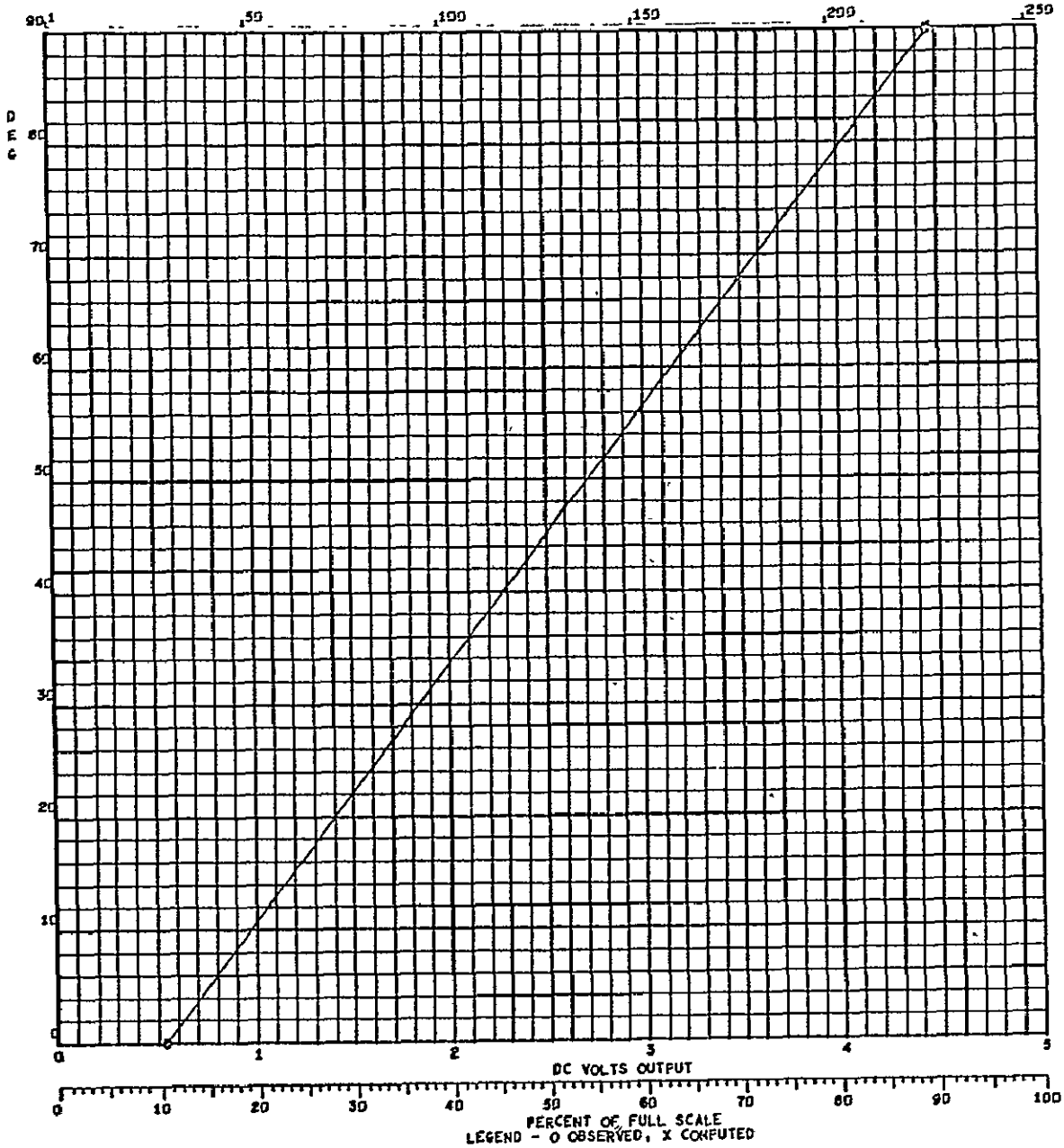
09/27/71
1 INSTALLATION DATE JUNE 18,1969
POSITION FUEL/OX VLV 3 POT B
CAL RANGE -.000005 TO 89.9999

SC-113

HARDWARE CALIB. NO. 80457 01 00 00

SERIAL NO. 001690000139

=21115



EQUATION COEFFICIENTS

A_0= -1.236 E 01

A_1= 2.296 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.236E 01

20% = 1.060E 01

40% = 3.356E 01

50% = 4.504E 01

60% = 5.652E 01

80% = 7.948E 01

100% = 1.024E 02

MEASUREMENT NO.

200SP0024H51

MEAS LOADING NO.

1101121 12 33

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

POSITION FUEL/OX VLV 3 POT B

MEASUREMENT NO. 200SP0024H01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001890000139
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-12.362	38	4.428	75	21.218	112	38.008	149	54.798	186	71.588	223	88.378
2	-11.909	39	4.881	76	21.671	113	38.461	150	55.251	187	72.042	224	88.832
3	-11.455	40	5.335	77	22.125	114	38.915	151	55.705	188	72.495	225	89.285
4	-11.001	41	5.789	78	22.579	115	39.369	152	56.159	189	72.949	226	89.739
5	-10.547	42	6.243	79	23.033	116	39.823	153	56.613	190	73.403	227	90.193
6	-10.094	43	6.696	80	23.487	117	40.277	154	57.067	191	73.857	228	90.647
7	-9.640	44	7.150	81	23.940	118	40.730	155	57.520	192	74.310	229	91.100
8	-9.186	45	7.604	82	24.394	119	41.184	156	57.974	193	74.764	230	91.554
9	-8.732	46	8.058	83	24.848	120	41.638	157	58.428	194	75.218	231	92.008
10	-8.278	47	8.512	84	25.302	121	42.092	158	58.882	195	75.672	232	92.462
11	-7.825	48	8.965	85	25.755	122	42.545	159	59.336	196	76.126	233	92.916
12	-7.371	49	9.419	86	26.209	123	42.999	160	59.789	197	76.579	234	93.369
13	-6.917	50	9.873	87	26.663	124	43.453	161	60.243	198	77.033	235	93.823
14	-6 463	51	10.327	88	27.117	125	43.907	162	60.697	199	77.487	236	94.277
15	-6.009	52	10.781	89	27.571	126	44.361	163	61.151	200	77.941	237	94.731
16	-5.556	53	11.234	90	28.024	127	44.814	164	61.604	201	78.394	238	95.185
17	-5.102	54	11.688	91	28.478	128	45.268	165	62.058	202	78.848	239	95.638
18	-4.648	55	12.142	92	28.932	129	45.722	166	62.512	203	79.302	240	96.092
19	-4.194	56	12.596	93	29.386	130	46.176	167	62.966	204	79.756	241	96.546
20	-3.741	57	13.049	94	29.840	131	46.630	168	63.420	205	80.210	242	97.000
21	-3.287	58	13.503	95	30.293	132	47.083	169	63.873	206	80.663	243	97.453
22	-2.833	59	13.957	96	30.747	133	47.537	170	64.327	207	81.117	244	97.907
23	-2.379	60	14.411	97	31.201	134	47.991	171	64.781	208	81.571	245	98.361
24	-1.925	61	14.865	98	31.655	135	48.445	172	65.235	209	82.025	246	98.815
25	-1.472	62	15.318	99	32.108	136	48.898	173	65.689	210	82.479	247	99.269
26	-1.018	63	15.772	100	32.562	137	49.352	174	66.142	211	82.932	248	99.722
27	-0.564	64	16.226	101	33.016	138	49.806	175	66.596	212	83.386	249	100.176
28	-0.110	65	16.680	102	33.470	139	50.260	176	67.050	213	83.840	250	100.630
29	0.343	66	17.134	103	33.924	140	50.714	177	67.504	214	84.294	251	101.084
30	0.797	67	17.587	104	34.377	141	51.167	178	67.957	215	84.747	252	101.538
31	1.251	68	18.041	105	34.831	142	51.621	179	68.411	216	85.201	253	101.991
32	1.705	69	18.495	106	35.285	143	52.075	180	68.865	217	85.655	254	102.445
33	2.159	70	18.949	107	35.739	144	52.529	181	69.319	218	86.109		
34	2.612	71	19.402	108	36.192	145	52.983	182	69.773	219	86.563		
35	3.066	72	19.856	109	36.646	146	53.436	183	70.226	220	87.016		
36	3.520	73	20.310	110	37.100	147	53.890	184	70.680	221	87.470		
37	3.974	74	20.764	111	37.554	148	54.344	185	71.134	222	87.924		

9-19

09/27/71 =21515

1 INSTALLATION DATE JUNE 18,1969

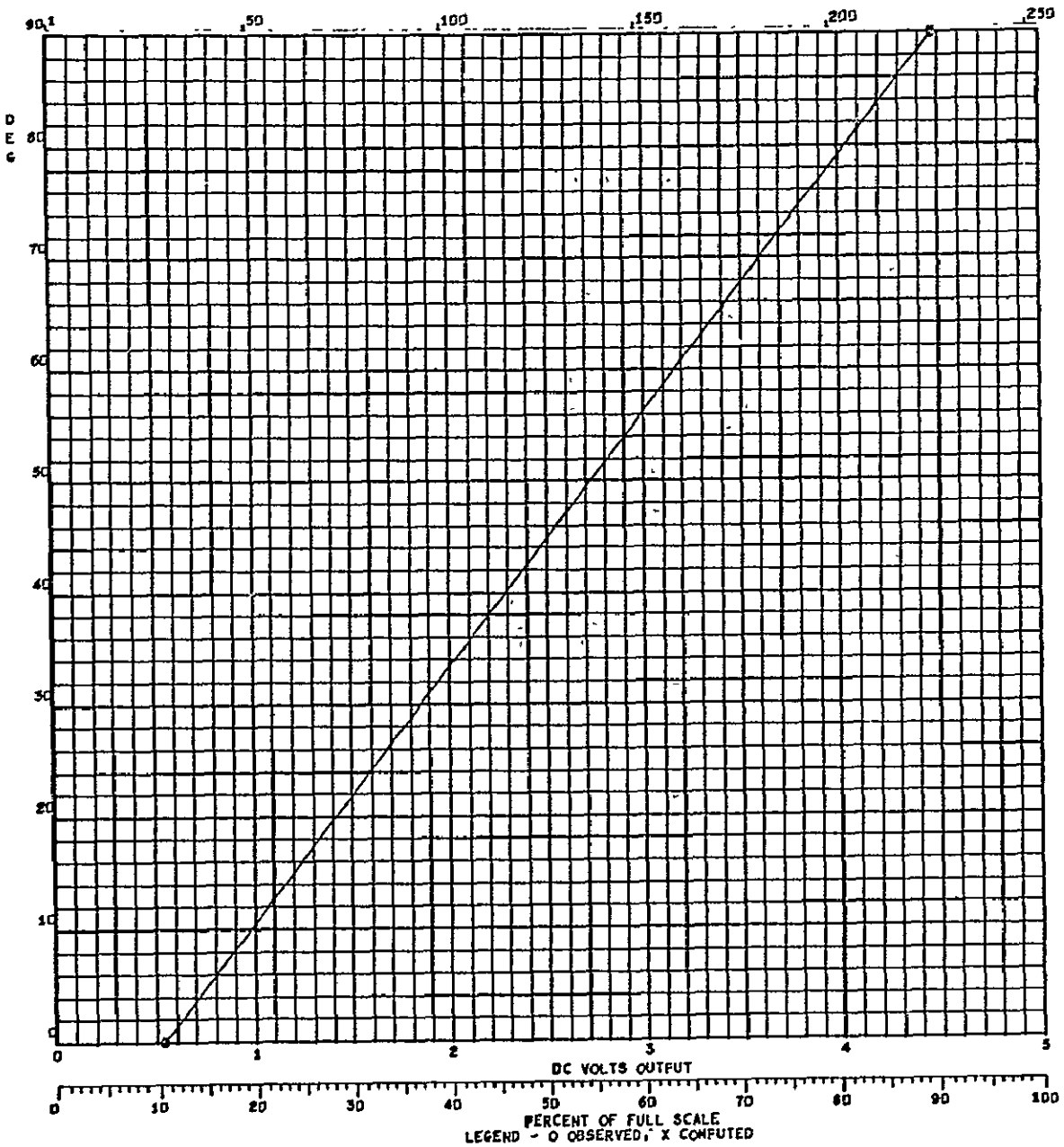
POSITION FUEL/OX VLV 4 POT B

CAL RANGE -.000002 TO 90.0000

SC-113

HARDWARE CALIB. NO. 60458 01 00 00

SERIAL NO. 001890000139



EQUATION COEFFICIENTS

A_0= -1.226 E 01

A_1= 2.288 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$= 0

0% = -1.226E 01

20% = 1.062E 01

40% = 3.350E 01

50% = 4.495E 01

60% = 5.639E 01

80% = 7.927E 01

100% = 1.022E 02

MEASUREMENT NO.

200SP0025H01

MEAS LOADING NO.

1101122 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

POSITION FUEL/OX VLV 4 POT B

MEASUREMENT NO. 200SP0029H01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001890000139
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/18/69

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-12.260	36	4.472	73	21.204	112	37.936	149	54.668	186	71.400	223	88.132
2	-11.808	39	4.924	76	21.656	113	38.388	150	55.120	187	71.852	224	88.584
3	-11.356	40	5.376	77	22.108	114	38.840	151	55.572	188	72.304	225	89.036
4	-10.904	41	5.828	78	22.560	115	39.292	152	56.024	189	72.756	226	89.488
5	-10.451	42	6.281	79	23.013	116	39.745	153	56.477	190	73.209	227	89.941
6	-9.999	43	6.733	80	23.465	117	40.197	154	56.929	191	73.661	228	90.393
7	-9.547	44	7.185	81	23.917	118	40.649	155	57.381	192	74.113	229	90.845
8	-9.095	45	7.637	82	24.369	119	41.101	156	57.833	193	74.565	230	91.297
9	-8.643	46	8.089	83	24.821	120	41.553	157	58.285	194	75.017	231	91.749
10	-8.190	47	8.542	84	25.274	121	42.006	158	58.738	195	75.470	232	92.202
11	-7.738	48	8.994	85	25.726	122	42.458	159	59.190	196	75.922	233	92.654
12	-7.286	49	9.446	86	26.178	123	42.910	160	59.642	197	76.374	234	93.106
13	-6.834	50	9.898	87	26.630	124	43.362	161	60.094	198	76.826	235	93.558
14	-6.381	51	10.351	88	27.083	125	43.815	162	60.547	199	77.279	236	94.011
15	-5.929	52	10.803	89	27.535	126	44.267	163	60.999	200	77.731	237	94.463
16	-5.477	53	11.255	90	27.987	127	44.719	164	61.451	201	78.183	238	94.915
17	-5.025	54	11.707	91	28.439	128	45.171	165	61.903	202	78.635	239	95.367
18	-4.573	55	12.159	92	28.891	129	45.623	166	62.355	203	79.087	240	95.819
19	-4.120	56	12.612	93	29.344	130	46.076	167	62.808	204	79.540	241	96.272
20	-3.668	57	13.064	94	29.796	131	46.528	168	63.260	205	79.992	242	96.724
21	-3.216	58	13.516	95	30.248	132	46.980	169	63.712	206	80.444	243	97.176
22	-2.764	59	13.968	96	30.700	133	47.432	170	64.164	207	80.896	244	97.628
23	-2.311	60	14.420	97	31.152	134	47.884	171	64.616	208	81.348	245	98.080
24	-1.859	61	14.873	98	31.605	135	48.337	172	65.069	209	81.801	246	98.533
25	-1.407	62	15.325	99	32.057	136	48.789	173	65.521	210	82.253	247	98.985
26	-0.955	63	15.777	100	32.509	137	49.241	174	65.973	211	82.705	248	99.437
27	-0.503	64	16.229	101	32.961	138	49.693	175	66.425	212	83.157	249	99.889
28	-0.050	65	16.682	102	33.414	139	50.146	176	66.878	213	83.610	250	100.342
29	0.402	66	17.134	103	33.866	140	50.598	177	67.330	214	84.062	251	100.794
30	0.854	67	17.586	104	34.318	141	51.050	178	67.782	215	84.514	252	101.246
31	1.306	68	18.038	105	34.770	142	51.502	179	68.234	216	84.966	253	101.698
32	1.758	69	18.490	106	35.222	143	51.954	180	68.686	217	85.418	254	102.150
33	2.211	70	18.943	107	35.675	144	52.407	181	69.139	218	85.871		
34	2.663	71	19.395	108	36.127	145	52.859	182	69.591	219	86.323		
35	3.115	72	19.847	109	36.579	146	53.311	183	70.043	220	86.775		
36	3.567	73	20.299	110	37.031	147	53.763	184	70.495	221	87.227		
37	4.020	74	20.752	111	37.484	148	54.215	185	70.947	222	87.679		

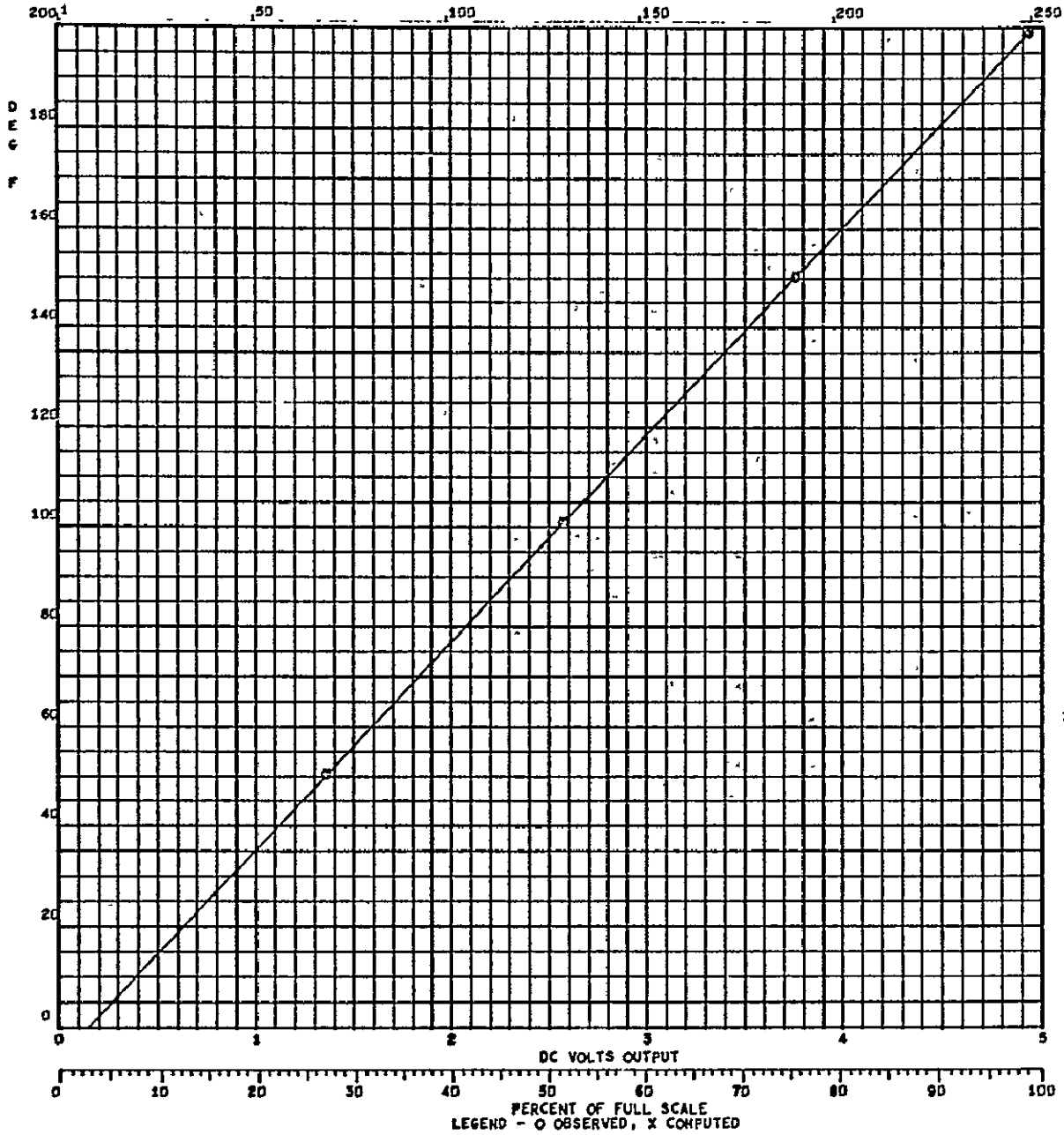
09/27/71
1 INSTALLATION DATE OCT. 30,1969
TEMP ENG VALVE BODY
CAL RANGE -.910791 TO 199.082

SC-113

HARDWARE CALIB. NO.
57068 04
00
00

SERIAL NO.
10095591768A

=21515



EQUATION COEFFICIENTS

A_0= -5.857 E 00
A_1= 4.156 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-5.857E 00
20% = 3.579E 01
40% = 7.727E 01
50% = 9.805E 01
60% = 1.186E 02
80% = 1.604E 02
100% = 2.019E 02

MEASUREMENT NO.
200SP0045T01

MEAS LOADING NO.
1013052 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP ENG VALVE BODY

MEASUREMENT NO. 200SP0045T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095591768A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/30/69

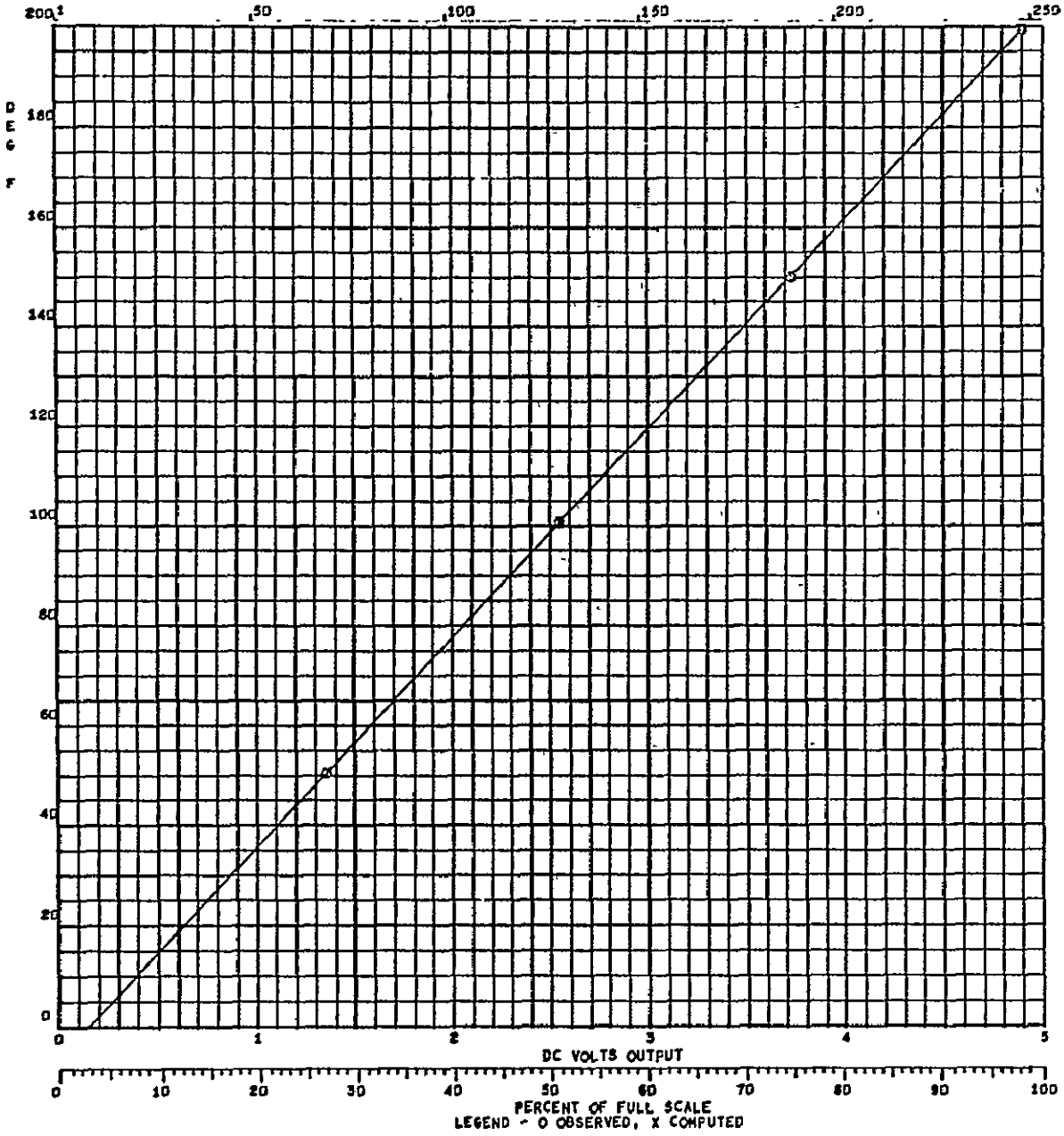
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-5.857	38	24.534	75	54.925	112	85.315	149	115.706	186	146.097	223	176.487
2	-5.035	39	25.355	76	55.746	113	86.137	150	116.527	187	146.918	224	177.309
3	-4.214	40	26.177	77	56.567	114	86.958	151	117.349	188	147.739	225	178.130
4	-3.392	41	26.998	78	57.389	115	87.779	152	118.170	189	148.561	226	178.951
5	-2.571	42	27.820	79	58.210	116	88.601	153	118.992	190	149.382	227	179.773
6	-1.750	43	28.641	80	59.032	117	89.422	154	119.813	191	150.204	228	180.594
7	-0.928	44	29.462	81	59.853	118	90.244	155	120.634	192	151.025	229	181.416
8	-0.107	45	30.284	82	60.674	119	91.065	156	121.456	193	151.846	230	182.237
9	0.714	46	31.105	83	61.496	120	91.886	157	122.277	194	152.668	231	183.058
10	1.536	47	31.926	84	62.317	121	92.708	158	123.098	195	153.489	232	183.880
11	2.357	48	32.748	85	63.138	122	93.529	159	123.920	196	154.310	233	184.701
12	3.178	49	33.569	86	63.960	123	94.350	160	124.741	197	155.132	234	185.522
13	4.000	50	34.391	87	64.781	124	95.172	161	125.562	198	155.953	235	186.344
14	4.821	51	35.212	88	65.603	125	95.993	162	126.384	199	156.774	236	187.165
15	5.643	52	36.033	89	66.424	126	96.815	163	127.205	200	157.596	237	187.987
16	6.464	53	36.855	90	67.245	127	97.636	164	128.027	201	158.417	238	188.808
17	7.285	54	37.676	91	68.067	128	98.457	165	128.848	202	159.239	239	189.629
18	8.107	55	38.497	92	68.888	129	99.279	166	129.669	203	160.060	240	190.451
19	8.928	56	39.319	93	69.709	130	100.100	167	130.491	204	160.881	241	191.272
20	9.749	57	40.140	94	70.531	131	100.921	168	131.312	205	161.703	242	192.093
21	10.571	58	40.961	95	71.352	132	101.743	169	132.133	206	162.524	243	192.915
22	11.392	59	41.783	96	72.173	133	102.564	170	132.955	207	163.345	244	193.736
23	12.214	60	42.604	97	72.995	134	103.386	171	133.776	208	164.167	245	194.558
24	13.035	61	43.426	98	73.816	135	104.207	172	134.598	209	164.988	246	195.379
25	13 856	62	44.247	99	74.638	136	105.028	173	135.419	210	165.810	247	196.200
26	14.678	63	45.068	100	75.459	137	105.850	174	136.240	211	166.631	248	197.022
27	15.499	64	45.890	101	76.280	138	106.671	175	137.062	212	167.452	249	197.843
28	16.320	65	46.711	102	77.102	139	107.492	176	137.883	213	168 274	250	198.664
29	17.142	66	47.532	103	77.923	140	108.314	177	138.704	214	169.095	251	199.486
30	17.963	67	48.354	104	78.744	141	109.135	178	139.526	215	169.916	252	200.307
31	18.784	68	49.175	105	79.566	142	109.956	179	140.347	216	170.738	253	201.128
32	19.606	69	49.997	106	80.387	143	110.778	180	141.168	217	171.559	254	201.950
33	20.427	70	50.818	107	81.209	144	111.599	181	141.990	218	172.381		
34	21.249	71	51.639	108	82.030	145	112.421	182	142.811	219	173.202		
35	22.070	72	52.461	109	82.851	146	113.242	183	143.633	220	174 023		
36	22.891	73	53.282	110	83.673	147	114.063	184	144.454	221	174.845		
37	23.713	74	54.103	111	84.494	148	114.885	185	145.275	222	175.666		

09/27/71
1 INSTALLATION DATE OCT. 31,1969
TEMP ENG FUEL FEED LINE
V CAL RANGE -.657638 TO 199.389

SC-113

HARDWARE CALIB. NO. 76819 01 00 00
SERIAL NO. 10308612649A

=21515



EQUATION COEFFICIENTS

A_0= -6.328 E 00
A_1= 4.200 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -6.328E 00
20% = 3.567E 01
40% = 7.767E 01
50% = 9.867E 01
60% = 1.197E 02
80% = 1.617E 02
100% = 2.037E 02

MEASUREMENT NO.
20DSP0048T02

MEAS LOADING NO.
1195196 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP ENG FUEL FEED LINE

MEASUREMENT NO. 205SP5048T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103086126494
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/31/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-6.328	38	24.384	75	55.096	112	85.807	149	116.519	186	147.230	223	177.942
2	-5.498	39	25.214	76	55.926	113	86.637	150	117.349	187	148.060	224	178.772
3	-4.668	40	26.044	77	56.756	114	87.467	151	118.179	188	148.890	225	179.602
4	-3.838	41	26.874	78	57.586	115	88.297	152	119.009	189	149.720	226	180.432
5	-3.007	42	27.704	79	58.416	116	89.127	153	119.839	190	150.550	227	181.262
6	-2.177	43	28.534	80	59.246	117	89.957	154	120.669	191	151.380	228	182.092
7	-1.347	44	29.364	81	60.076	118	90.787	155	121.499	192	152.211	229	182.922
8	-0.517	45	30.194	82	60.906	119	91.617	156	122.329	193	153.041	230	183.752
9	0.313	46	31.024	83	61.736	120	92.447	157	123.159	194	153.871	231	184.582
10	1.143	47	31.854	84	62.566	121	93.277	158	123.989	195	154.701	232	185.412
11	1.973	48	32.684	85	63.396	122	94.108	159	124.819	196	155.531	233	186.242
12	2.803	49	33.514	86	64.226	123	94.938	160	125.649	197	156.361	234	187.072
13	3.633	50	34.344	87	65.056	124	95.768	161	126.479	198	157.191	235	187.902
14	4.463	51	35.174	88	65.886	125	96.598	162	127.309	199	158.021	236	188.732
15	5.293	52	36.005	89	66.716	126	97.428	163	128.139	200	158.851	237	189.562
16	6.123	53	36.835	90	67.546	127	98.258	164	128.969	201	159.681	238	190.393
17	6.953	54	37.665	91	68.376	128	99.088	165	129.799	202	160.511	239	191.223
18	7.783	55	38.495	92	69.206	129	99.918	166	130.629	203	161.341	240	192.053
19	8.613	56	39.325	93	70.036	130	100.748	167	131.459	204	162.171	241	192.883
20	9.443	57	40.155	94	70.866	131	101.578	168	132.289	205	163.001	242	193.713
21	10.273	58	40.985	95	71.696	132	102.408	169	133.120	206	163.831	243	194.543
22	11.103	59	41.815	96	72.526	133	103.238	170	133.950	207	164.661	244	195.373
23	11.933	60	42.645	97	73.356	134	104.068	171	134.780	208	165.491	245	196.203
24	12.763	61	43.475	98	74.186	135	104.898	172	135.610	209	166.321	246	197.033
25	13.593	62	44.305	99	75.017	136	105.728	173	136.440	210	167.151	247	197.863
26	14.423	63	45.135	100	75.847	137	106.558	174	137.270	211	167.981	248	198.693
27	15.253	64	45.965	101	76.677	138	107.388	175	138.100	212	168.811	249	199.523
28	16.083	65	46.795	102	77.507	139	108.218	176	138.930	213	169.641	250	200.353
29	16.914	66	47.625	103	78.337	140	109.048	177	139.760	214	170.471	251	201.183
30	17.744	67	48.455	104	79.167	141	109.878	178	140.590	215	171.302	252	202.013
31	18.574	68	49.285	105	79.997	142	110.708	179	141.420	216	172.132	253	202.843
32	19.404	69	50.115	106	80.827	143	111.538	180	142.250	217	172.962	254	203.673
33	20.234	70	50.945	107	81.657	144	112.368	181	143.080	218	173.792		
34	21.064	71	51.775	108	82.487	145	113.199	182	143.910	219	174.622		
35	21.894	72	52.605	109	83.317	146	114.029	183	144.740	220	175.452		
36	22.724	73	53.435	110	84.147	147	114.859	184	145.570	221	176.282		
37	23.554	74	54.265	111	84.977	148	115.689	185	146.400	222	177.112		

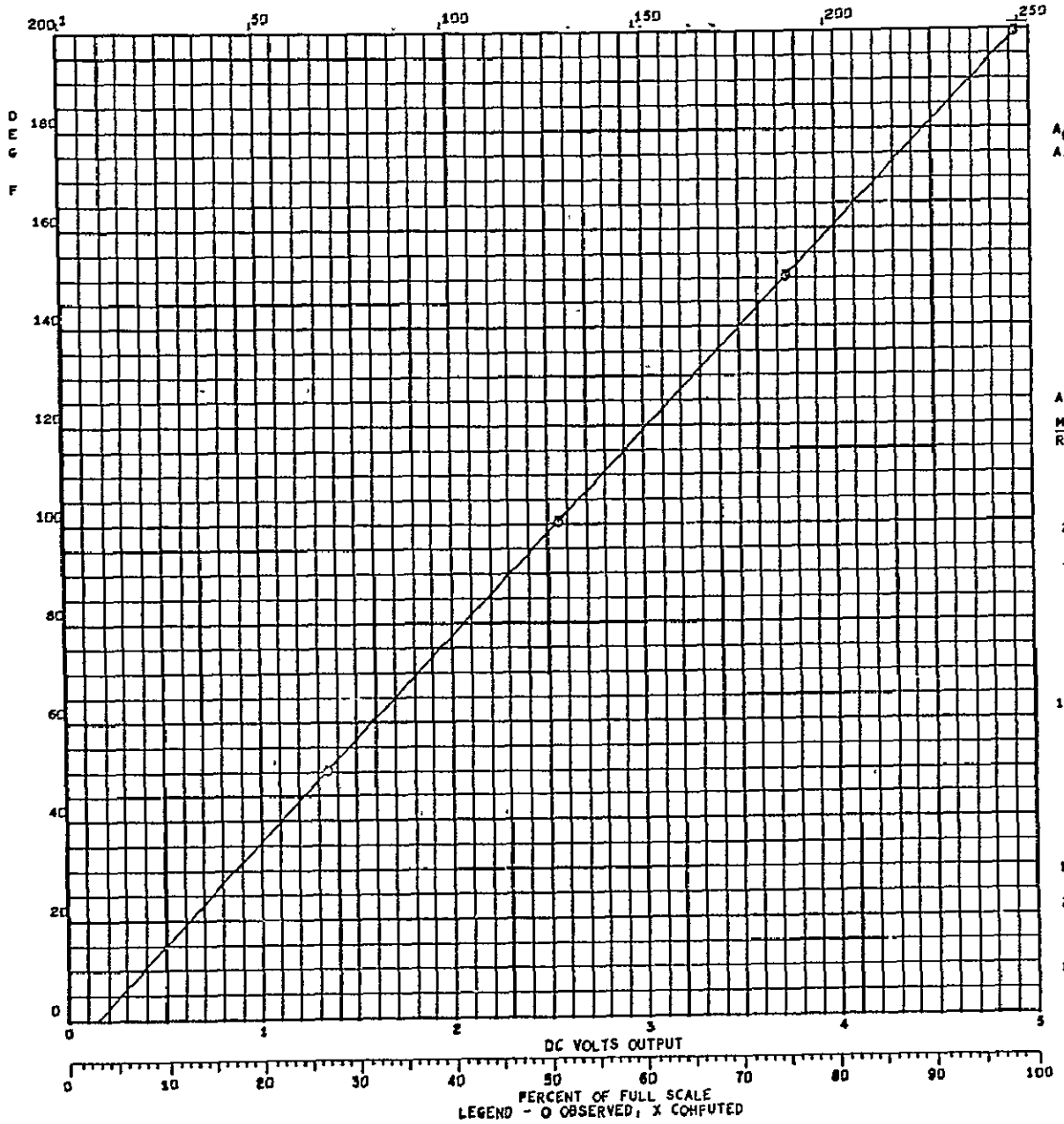
09/27/71
1 INSTALLATION DATE OCT. 31,1969
TEMP ENG OX FEED LINE
V CAL RANGE -.505203 TO 199.479

SC-113

HARDWARE CALIB. NO. 76156 02 00 00

SERIAL NO. 10095442316A

=21515



EQUATION COEFFICIENTS

A_0 = -6.013 E 00

A_1 = 4.172 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -6.013E 00

20% = 3.571E 01

40% = 7.744E 01

50% = 9.830E 01

60% = 1.192E 02

80% = 1.609E 02

100% = 2 026E 02

MEASUREMENT NO.

200SF0049T01

MEAS LOADING NO.

1940116 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP ENG OX FEED LINE

MEASUREMENT NO. 203SP0049T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442318A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/31/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-6.013	38	24.497	75	55.007	112	85.517	149	116.026	186	146.536	223	177.046
2	-5.188	39	25.322	76	55.831	113	86.341	150	116.851	187	147.361	224	177 870
3	-4.364	40	26.146	77	56.656	114	87.166	151	117.675	188	148.185	225	178.695
4	-3.539	41	26.971	78	57.480	115	87.990	152	118.500	189	149.010	226	179.520
5	-2.714	42	27.795	79	58.305	116	88.815	153	119.325	190	149.834	227	180.344
6	-1.890	43	28.620	80	59.130	117	89.639	154	120.149	191	150.659	228	181.169
7	-1.065	44	29.444	81	59.954	118	90.464	155	120.974	192	151.484	229	181 993
8	-0.241	45	30.269	82	60.779	119	91.289	156	121.798	193	152.308	230	182.818
9	0.584	46	31 094	83	61.603	120	92.113	157	122.623	194	153.133	231	183 643
10	1.408	47	31.918	84	62.428	121	92.938	158	123.448	195	153.957	232	184.467
11	2.233	48	32.743	85	63.253	122	93.762	159	124.272	196	154.782	233	185.292
12	3.058	49	33.567	86	64.077	123	94.587	160	125 097	197	155.607	234	186.116
13	3.882	50	34.392	87	64.902	124	95.412	161	125.921	198	156.431	235	186.941
14	4.707	51	35.217	88	65.726	125	96 236	162	126.746	199	157.256	236	187.766
15	5.531	52	36.041	89	66.551	126	97.061	163	127.571	200	158.080	237	188.590
16	6.356	53	36.866	90	67.376	127	97.885	164	128.395	201	158 905	238	189 415
17	7.181	54	37.690	91	68.200	128	98.710	165	129.220	202	159.729	239	190.239
18	8.005	55	38.515	92	69.025	129	99.535	166	130.044	203	160.554	240	191.064
19	8.830	56	39.340	93	69.849	130	100.359	167	130.869	204	161.379	241	191.889
20	9.654	57	40.164	94	70.674	131	101.184	168	131.693	205	162.203	242	192.713
21	10.479	58	40.989	95	71.498	132	102.008	169	132.518	206	163.028	243	193.538
22	11.304	59	41.813	96	72.323	133	102.833	170	133.343	207	163.852	244	194.362
23	12.128	60	42.638	97	73.148	134	103.657	171	134.167	208	164.677	245	195.187
24	12.953	61	43.462	98	73.972	135	104.482	172	134.992	209	165.502	246	196 011
25	13.777	62	44.287	99	74.797	136	105:307	173	135.816	210	166.326	247	196.836
26	14.602	63	45.112	100	75.621	137	106.131	174	136.641	211	167.151	248	197.661
27	15.426	64	45.936	101	76.446	138	106.956	175	137.466	212	167.975	249	198 485
28	16.251	65	46.761	102	77.271	139	107.780	176	138.290	213	168.800	250	199.310
29	17.076	66	47.585	103	78.095	140	108.605	177	139.115	214	169 625	251	200.134
30	17.900	67	48.410	104	78.920	141	109.430	178	139.939	215	170.449	252	200.959
31	18.725	68	49.235	105	79.744	142	110.254	179	140.764	216	171.274	253	201.784
32	19.549	69	50.059	106	80.569	143	111.079	180	141.589	217	172 098	254	202.608
33	20.374	70	50.884	107	81.394	144	111.903	181	142.413	218	172.923		
34	21.199	71	51.708	108	82.218	145	112.728	182	143.238	219	173.748		
35	22.023	72	52.533	109	83.043	146	113.553	183	144.062	220	174.572		
36	22.848	73	53.358	110	83.867	147	114.377	184	144.887	221	175.397		
37	23.672	74	54.182	111	84.692	148	115.202	185	145.711	222	176.221		

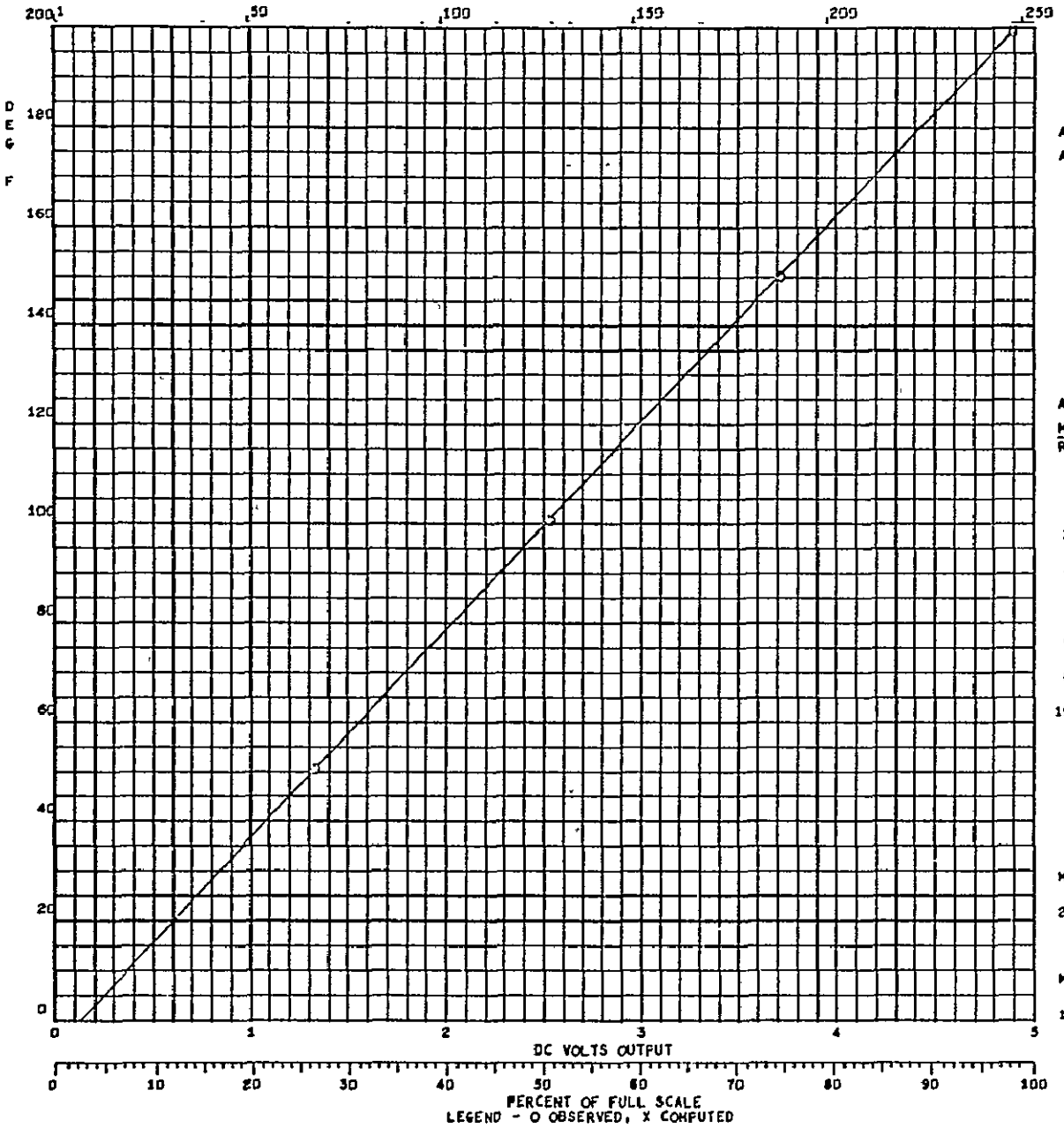
09/27/71
1 INSTALLATION DATE MARCH 25,1969
TEMP 1 OX DISTRIBUTION LINE
CAL RANGE -.721140 TO 199.374

SC-113

HARDWARE CALIB. NO. 75113 02 00 00

SERIAL NO. 10095442320A

=21515



EQUATION COEFFICIENTS

A_0= -5.239 E 00

A_1= 4.183 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = -5 239E 00

20% = 3.660E 01

40% = 7.843E 01

50% = 9.935E 01

60% = 1 203E 02

80% = 1.621E 02

100% = 2.939E 02

MEASUREMENT NO

200SP0054T01

MEAS LOADING NO.

1915084 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP 1 CX DISTRIBUTION LINE

MEASUREMENT NO. 200SP0054T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442320A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/25/69

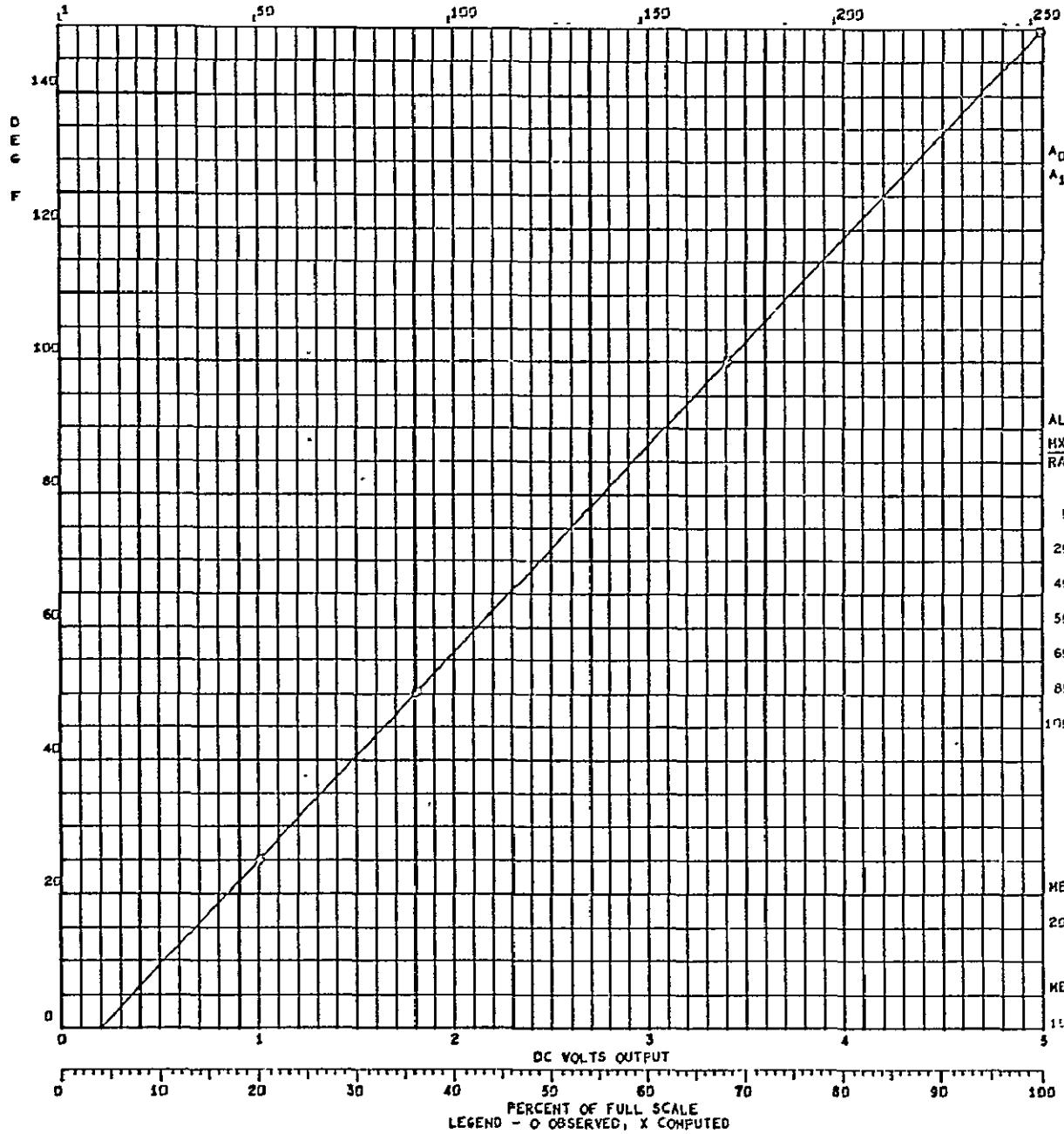
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-5.239	38	25.351	75	55.942	112	86.532	149	117.123	186	147.713	223	178.304
2	-4.413	39	26.178	76	56.769	113	87.359	150	117.950	187	148.540	224	179.131
3	-3.586	40	27.005	77	57.595	114	88.186	151	118.776	188	149.367	225	179.958
4	-2.759	41	27.832	78	58.422	115	89.013	152	119 603	189	150.194	226	180.784
5	-1.932	42	28.658	79	59.249	116	89.839	153	120.430	190	151.021	227	181.611
6	-1.105	43	29.485	80	60.076	117	90.666	154	121.257	191	151.847	228	182.438
7	-0.279	44	30.312	81	60.902	118	91.493	155	122.084	192	152.674	229	183.265
8	0.548	45	31.139	82	61.729	119	92.320	156	122.910	193	153.501	230	184.091
9	1.375	46	31.965	83	62.556	120	93.147	157	123.737	194	154.328	231	184.918
10	2.202	47	32.792	84	63.383	121	93.973	158	124.564	195	155.154	232	185.745
11	3.028	48	33.619	85	64.210	122	94.800	159	125.391	196	155.981	233	186.572
12	3.855	49	34.446	86	65 036	123	95 627	160	126.217	197	156.808	234	187 399
13	4.682	50	35.273	87	65.863	124	96.454	161	127.044	198	157.635	235	188.225
14	5.509	51	36 099	88	66 690	125	97.280	162	127.871	199	158.462	236	189 052
15	6.336	52	36.926	89	67.517	126	98.107	163	128.698	200	159.288	237	189 879
16	7.162	53	37.753	90	68.343	127	98.934	164	129.525	201	160.115	238	190.706
17	7.989	54	38.580	91	69.170	128	99.761	165	130.351	202	160.942	239	191.532
18	8.816	55	39.406	92	69.997	129	100.588	166	131.178	203	161.769	240	192.359
19	9.643	56	40.233	93	70.824	130	101.414	167	132.005	204	162.595	241	193.186
20	10.469	57	41.060	94	71.650	131	102.241	168	132.832	205	163.422	242	194 013
21	11.296	58	41.887	95	72.477	132	103 068	169	133.658	206	164.249	243	194.840
22	12.123	59	42.713	96	73.304	133	103.895	170	134.485	207	165.076	244	195.666
23	12.950	60	43.540	97	74.131	134	104.721	171	135.312	208	165.902	245	196.493
24	13.776	61	44 367	98	74.958	135	105 548	172	136.139	209	166.729	246	197.320
25	14.603	62	45.194	99	75.784	136	106.375	173	136.965	210	167.556	247	198.147
26	15.430	63	46.021	100	76 611	137	107.202	174	137.792	211	168.383	248	198.973
27	16.257	64	46 847	101	77.438	138	108 028	175	138.619	212	169.210	249	199 800
28	17.084	65	47.674	102	78.265	139	108.855	176	139.446	213	170.036	250	200.627
29	17.910	66	48.501	103	79 091	140	109.682	177	140.273	214	170.863	251	201 454
30	18.737	67	49.328	104	79.918	141	110.509	178	141.099	215	171.690	252	202.280
31	19.564	68	50.154	105	80.745	142	111.336	179	141.926	216	172.517	253	203.107
32	20.391	69	50.981	106	81.572	143	112.162	180	142.753	217	173.343	254	203.934
33	21.217	70	51.808	107	82.399	144	112.989	181	143.580	218	174.170		
34	22.044	71	52.635	108	83.225	145	113.816	182	144.406	219	174.997		
35	22.871	72	53 462	109	84.052	146	114.643	183	145.233	220	175 824		
36	23.698	73	54.288	110	84.879	147	115.469	184	146 060	221	176.651		
37	24.525	74	55.115	111	85.706	148	116.296	185	146.887	222	177.477		

09/27/71
1 INSTALLATION DATE JAN. 31,1961
TEMP SPS OX SMP TK SURF BAY 2
CAL RANGE -.277702 TO 149.731

SC-113

HARDWARE CALIB. NO. 78454 01 00 00
SERIAL NO. 10308102653A

=21515



EQUATION COEFFICIENTS

A_0= -6.214 E 00
A_1= 3.125 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -6.214E 00
20% = 2.503E 01
40% = 5.628E 01
50% = 7.190E 01
60% = 8.752E 01
80% = 1.188E 02
100% = 1.500E 02

MEASUREMENT NO.
200SP0055T02

MEAS LOADING NO.
19480052 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP SPS OX SMF TK SURF BAY 2

MEASUREMENT NO. 200SP0055T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103081102853A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/31/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG.F	CNT	DEG.F
1	-6.214	38	16 633	75	39 480	112	62.328	149	85.175	186	108.023	223	130.870
2	-5.597	39	17.250	76	40 098	113	62.945	150	85.793	187	108.640	224	131.487
3	-4.979	40	17.868	77	40.715	114	63.563	151	86.410	188	109.258	225	132.105
4	-4.362	41	18.485	78	41.333	115	64.180	152	87.028	189	109.875	226	132.722
5	-3.744	42	19.103	79	41.950	116	64.798	153	87.645	190	110.493	227	133.340
6	-3.127	43	19.720	80	42.568	117	65.415	154	88.263	191	111.110	228	133.957
7	-2.509	44	20.338	81	43.185	118	66.033	155	88.880	192	111.728	229	134.575
8	-1 892	45	20.955	82	43.803	119	66.650	156	89.498	193	112.345	230	135.192
9	-1.274	46	21.573	83	44.420	120	67.268	157	90.115	194	112.963	231	135.810
10	-0.657	47	22.190	84	45 038	121	67.885	158	90.733	195	113.580	232	136.427
11	-0 039	48	22.808	85	45.655	122	68.503	159	91.350	196	114.198	233	137.045
12	0.578	49	23.425	86	46 273	123	69.120	160	91.968	197	114.815	234	137.662
13	1.196	50	24.043	87	46.890	124	69.738	161	92.585	198	115.432	235	138.280
14	1.813	51	24.660	88	47.508	125	70.355	162	93.203	199	116.050	236	138 897
15	2.431	52	25.278	89	48.125	126	70.973	163	93.820	200	116 667	237	139.515
16	3.048	53	25.895	90	48.743	127	71.590	164	94.438	201	117.285	238	140.132
17	3.666	54	26.513	91	49.360	128	72.208	165	95.055	202	117.902	239	140.750
18	4.283	55	27.130	92	49.978	129	72.825	166	95.673	203	118.520	240	141.367
19	4.901	56	27.748	93	50.595	130	73.443	167	96.290	204	119.137	241	141.985
20	5.518	57	28.365	94	51.213	131	74.060	168	96.908	205	119.755	242	142.602
21	6.136	58	28 983	95	51.830	132	74.678	169	97.525	206	120.372	243	143.220
22	6.753	59	29.600	96	52.448	133	75.295	170	98.143	207	120 990	244	143.837
23	7.371	60	30 218	97	53.065	134	75.913	171	98.760	208	121.607	245	144.455
24	7.988	61	30.835	98	53.683	135	76.530	172	99.378	209	122.225	246	145.072
25	8.606	62	31.453	99	54.300	136	77.148	173	99.995	210	122.842	247	145.690
26	9.223	63	32.070	100	54.918	137	77.765	174	100.613	211	123.460	248	146.307
27	9 841	64	32.688	101	55.535	138	78.383	175	101.230	212	124.077	249	146 925
28	10.458	65	33.305	102	56.153	139	79.000	176	101.848	213	124.695	250	147.542
29	11.076	66	33.923	103	56.770	140	79.618	177	102.465	214	125.312	251	148.160
30	11 693	67	34.540	104	57.388	141	80.235	178	103.083	215	125.930	252	148.777
31	12.311	68	35.158	105	58.005	142	80.853	179	103.700	216	126.547	253	149 395
32	12 928	69	35.775	106	58.623	143	81.470	180	104.318	217	127.165	254	150.012
33	13.546	70	36.393	107	59.240	144	82.088	181	104.935	218	127.782		
34	14.163	71	37.010	108	59.858	145	82.705	182	105.553	219	128.400		
35	14.780	72	37.628	109	60.475	146	83.323	183	106.170	220	129 017		
36	15.398	73	38.245	110	61.093	147	83.940	184	106.788	221	129.635		
37	16.015	74	38.863	111	61.710	148	84.558	185	107.405	222	130 252		

09/27/71

1 INSTALLATION DATE JAN. 31,1961

TEMP SPS FU SMP 1K SURF BAY 5

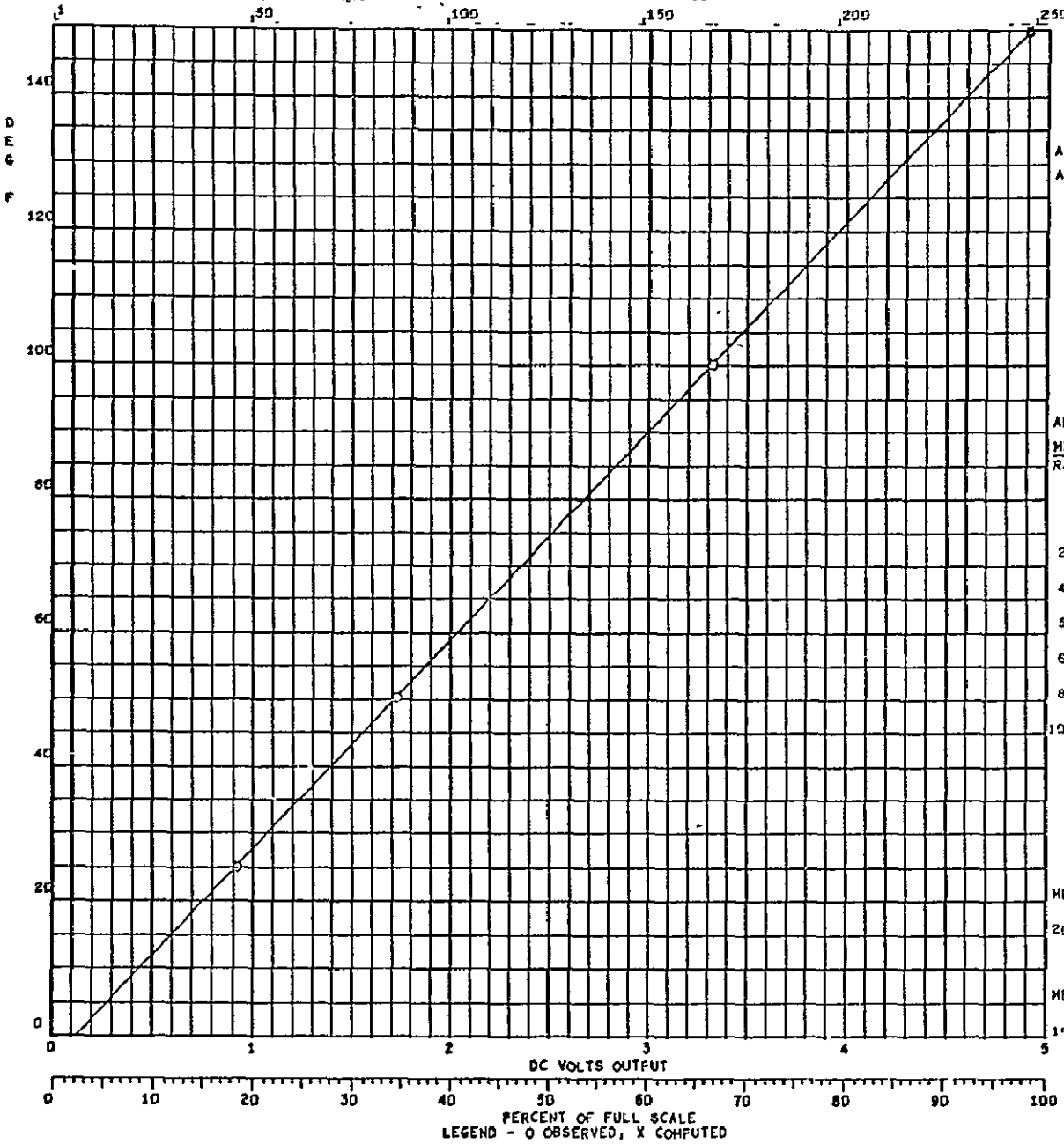
CAL RANGE -.268572 ,TO 149.747

SC-113

HARDWARE CALIB. NO. 78481 01 00 00

SERIAL NO. 103081028S4A

=21515



EQUATION COEFFICIENTS

A_0= -3.679 E 00

A_1= 3.129 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-3.679E 00

20% = 2 761E 01

40% = 5.889E 01

50% = 7.454E 01

60% = 9.018E 01

80% = 1.215E 02

100% = 1.528E 02

MEASUREMENT NO.

200SP005GT02

MEAS LOADING NO.

1047052 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP SPS FU SHP TX SURF BAY 5

MEASUREMENT NO. 200SP0056T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308102854A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/31/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.679	38	19.198	75	42.075	112	64.952	149	87.829	186	110.706	223	133.583
2	-3.060	39	19.817	76	42.694	113	65.571	150	88.448	187	111.325	224	134.202
3	-2.442	40	20.435	77	43.312	114	66.189	151	89.066	188	111.943	225	134.820
4	-1.824	41	21.053	78	43.930	115	66.807	152	89.684	189	112.561	226	135.438
5	-1.206	42	21.671	79	44.548	116	67.425	153	90.302	190	113.180	227	136.057
6	-0.587	43	22.290	80	45.167	117	68.044	154	90.921	191	113.798	228	136.675
7	0.031	44	22.908	81	45.785	118	68.662	155	91.539	192	114.416	229	137.293
8	0.649	45	23.526	82	46.403	119	69.280	156	92.157	193	115.034	230	137.911
9	1.268	46	24.145	83	47.022	120	69.899	157	92.776	194	115.653	231	138.530
10	1.886	47	24.763	84	47.640	121	70.517	158	93.394	195	116.271	232	139.148
11	2.504	48	25.381	85	48.258	122	71.135	159	94.012	196	116.889	233	139.766
12	3.123	49	26.000	86	48.877	123	71.754	160	94.631	197	117.508	234	140.385
13	3.741	50	26.618	87	49.495	124	72.372	161	95.249	198	118.126	235	141.003
14	4.359	51	27.236	88	50.113	125	72.990	162	95.867	199	118.744	236	141.621
15	4.977	52	27.854	89	50.731	126	73.608	163	96.485	200	119.362	237	142.240
16	5.596	53	28.473	90	51.350	127	74.227	164	97.104	201	119.981	238	142.858
17	6.214	54	29.091	91	51.968	128	74.845	165	97.722	202	120.599	239	143.476
18	6.832	55	29.709	92	52.586	129	75.463	166	98.340	203	121.217	240	144 094
19	7.451	56	30 328	93	53.205	130	76.082	167	98.959	204	121.836	241	144.713
20	8.069	57	30.946	94	53 823	131	76.700	168	99.577	205	122.454	242	145.331
21	8 687	58	31.564	95	54.441	132	77.318	169	100 195	206	123 072	243	145.949
22	9.306	59	32.183	96	55.060	133	77.937	170	100.814	207	123.691	244	146.568
23	9.924	60	32.801	97	55.678	134	78.555	171	101 432	208	124.309	245	147.186
24	10.542	61	33 419	98	56.296	135	79.173	172	102.050	209	124.927	246	147 804
25	11.160	62	34.037	99	56.914	136	79.791	173	102.668	210	125.545	247	148.423
26	11.779	63	34.656	100	57.533	137	80.410	174	103.287	211	126.164	248	149.041
27	12.397	64	35.274	101	58.151	138	81.028	175	103.905	212	126.782	249	149.659
28	13.015	65	35.892	102	58.769	139	81.646	176	104.523	213	127.400	250	150.277
29	13.634	66	36.511	103	59.388	140	82.265	177	105.142	214	128.019	251	150.896
30	14.252	67	37.129	104	60.006	141	82.883	178	105.760	215	128.637	252	151.514
31	14.870	68	37.747	105	60.624	142	83.501	179	106.378	216	129.255	253	152.132
32	15.488	69	38.366	106	61.243	143	84.120	180	106.997	217	129 874	254	152.751
33	16.107	70	38.984	107	61.861	144	84.738	181	107.615	218	130.492		
34	16.725	71	39 602	108	62.479	145	85.356	182	108.233	219	131.110		
35	17.343	72	40.220	109	63.097	146	85.974	183	108.851	220	131.728		
36	17.962	73	40 839	110	63.716	147	86.593	184	109.470	221	132.347		
37	18.580	74	41.457	111	64.334	148	87.211	185	110.088	222	132.965		

09/27/71

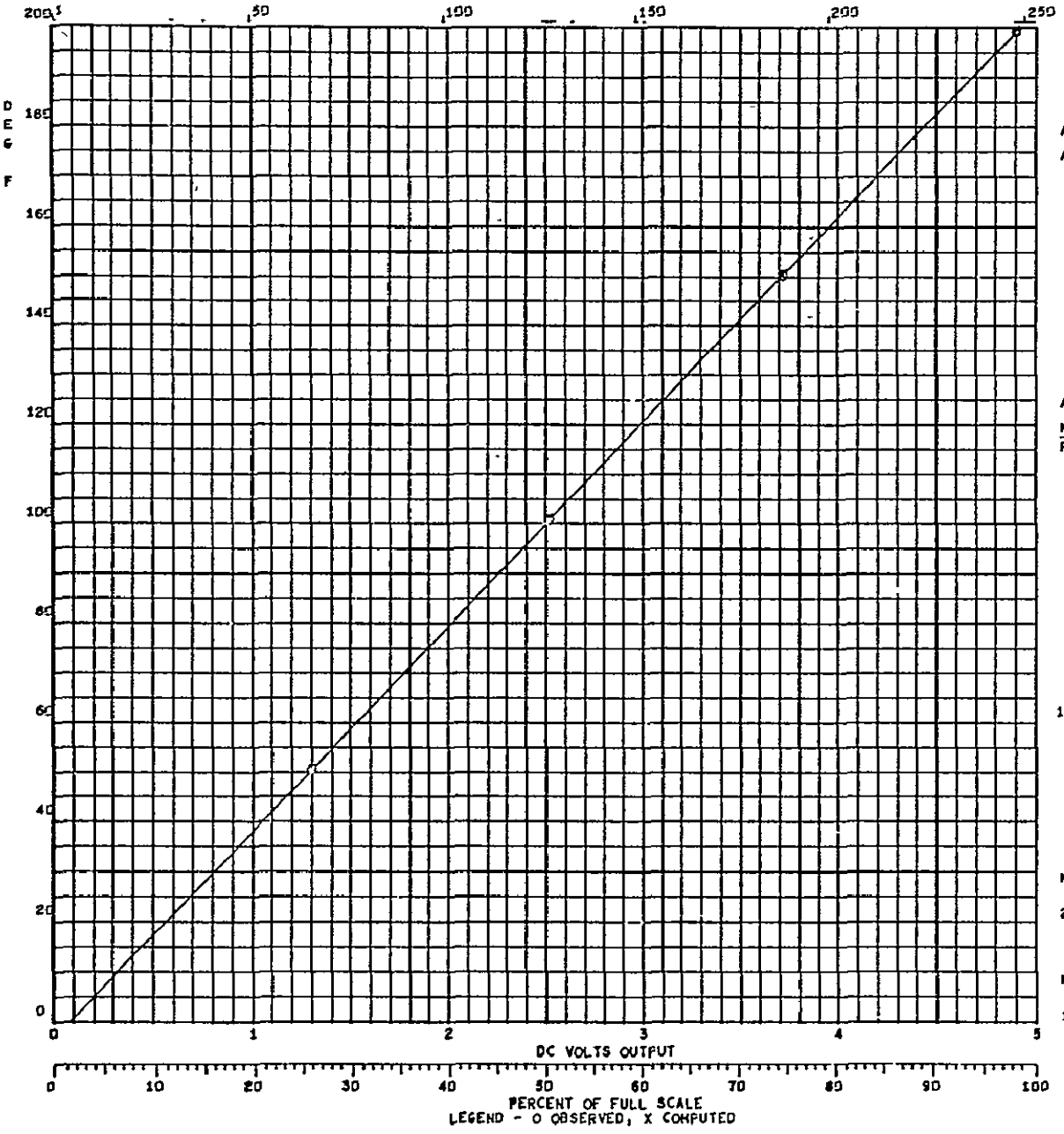
1 INSTALLATION DATE MARCH 25,1969
TEMP 1 FUEL DISTRIBUTION LINE
CAL RANGE -.856688 TO 199.172

SC-113

HARDWARE CALIB. NO.
56724 04
00
00

SERIAL NO.
10095591773A

=21515



EQUATION COEFFICIENTS

A_0= -3.086 E 00
A_1= 4.128 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -3.086E 00
20% = 3.819E 01
40% = 7.947E 01
50% = 1.001E 02
60% = 1.207E 02
80% = 1.620E 02
100% = 2 033E 02

MEASUREMENT NO.
209SP0057T01

MEAS LOADING NO.
1029984 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP 1 FUEL DISTRIBUTION LINE

MEASUREMENT NO. 200SP0057T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095591773A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/25/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.086	38	27.097	75	57.280	112	87.463	149	117.646	186	147.829	223	178.012
2	-2 270	39	27.913	76	58.096	113	88.279	150	118.462	187	148.645	224	178 828
3	-1.454	40	28.729	77	58.912	114	89.095	151	119.278	188	149 460	225	179.643
4	-0 638	41	29.545	78	59.727	115	89.910	152	120.093	189	150.276	226	180.459
5	0.177	42	30.360	79	60.543	116	90.726	153	120.909	190	151.092	227	181.275
6	0 993	43	31.176	80	61.359	117	91.542	154	121.725	191	151.908	228	182 091
7	1.809	44	31.992	81	62.175	118	92.358	155	122.541	192	152.723	229	182.906
8	2.625	45	32.808	82	62.990	119	93.173	156	123.356	193	153.539	230	183.722
9	3.440	46	33 623	83	63 806	120	93.989	157	124.172	194	154.355	231	184.538
10	4.256	47	34.439	84	64.622	121	94.805	158	124.988	195	155.171	232	185.354
11	5.072	48	35.255	85	65.438	122	95.621	159	125.804	196	155.986	233	186.169
12	5.888	49	36.071	86	66.253	123	96.436	160	126.619	197	156 802	234	186.985
13	6.703	50	36 886	87	67 069	124	97.252	161	127.435	198	157.618	235	187 801
14	7.519	51	37.702	88	67.885	125	98 068	162	128.251	199	158.434	236	188.617
15	8.335	52	38.518	89	68.701	126	98.884	163	129.067	200	159.249	237	189 432
16	9.151	53	39.334	90	69.516	127	99 699	164	129 882	201	160 065	238	190.248
17	9.966	54	40.149	91	70.332	128	100.515	165	130.698	202	160 881	239	191.064
18	10.782	55	40.965	92	71.148	129	101.331	166	131.514	203	161.697	240	191.880
19	11.598	56	41.781	93	71.964	130	102.147	167	132.330	204	162.512	241	192.695
20	12.414	57	42.597	94	72.780	131	102.962	168	133.145	205	163.328	242	193.511
21	13.229	58	43.412	95	73.595	132	103.778	169	133.961	206	164.144	243	194.327
22	14.045	59	44.228	96	74.411	133	104.594	170	134.777	207	164.960	244	195.143
23	14.861	60	45.044	97	75.227	134	105.410	171	135.593	208	165.776	245	195.958
24	15.677	61	45.860	98	76.043	135	106.225	172	136.408	209	166.591	246	196.774
25	16 492	62	46.675	99	76.858	136	107.041	173	137.224	210	167.407	247	197.590
26	17.308	63	47.491	100	77.674	137	107.857	174	138.040	211	168.223	248	198.406
27	18.124	64	48.307	101	78.490	138	108.673	175	138.856	212	169.039	249	199.221
28	18.940	65	49.123	102	79.306	139	109.488	176	139.671	213	169.854	250	200.037
29	19.755	66	49 938	103	80.121	140	110.304	177	140.487	214	170.670	251	200 853
30	20.571	67	50.754	104	80.937	141	111.120	178	141.303	215	171.486	252	201.669
31	21.387	68	51.570	105	81.753	142	111.936	179	142.119	216	172.302	253	202.485
32	22.203	69	52.386	106	82.569	143	112.751	180	142 934	217	173.117	254	203.300
33	23.018	70	53.201	107	83.384	144	113.567	181	143.750	218	173.933		
34	23 834	71	54.017	108	84 200	145	114.383	182	144.566	219	174.749		
35	24 650	72	54.833	109	85.016	146	115.199	183	145.382	220	175.565		
36	25 466	73	55.649	110	85.832	147	116 014	184	146.197	221	176.380		
37	26.282	74	56.464	111	86.647	148	116 830	185	147.013	222	177.196		

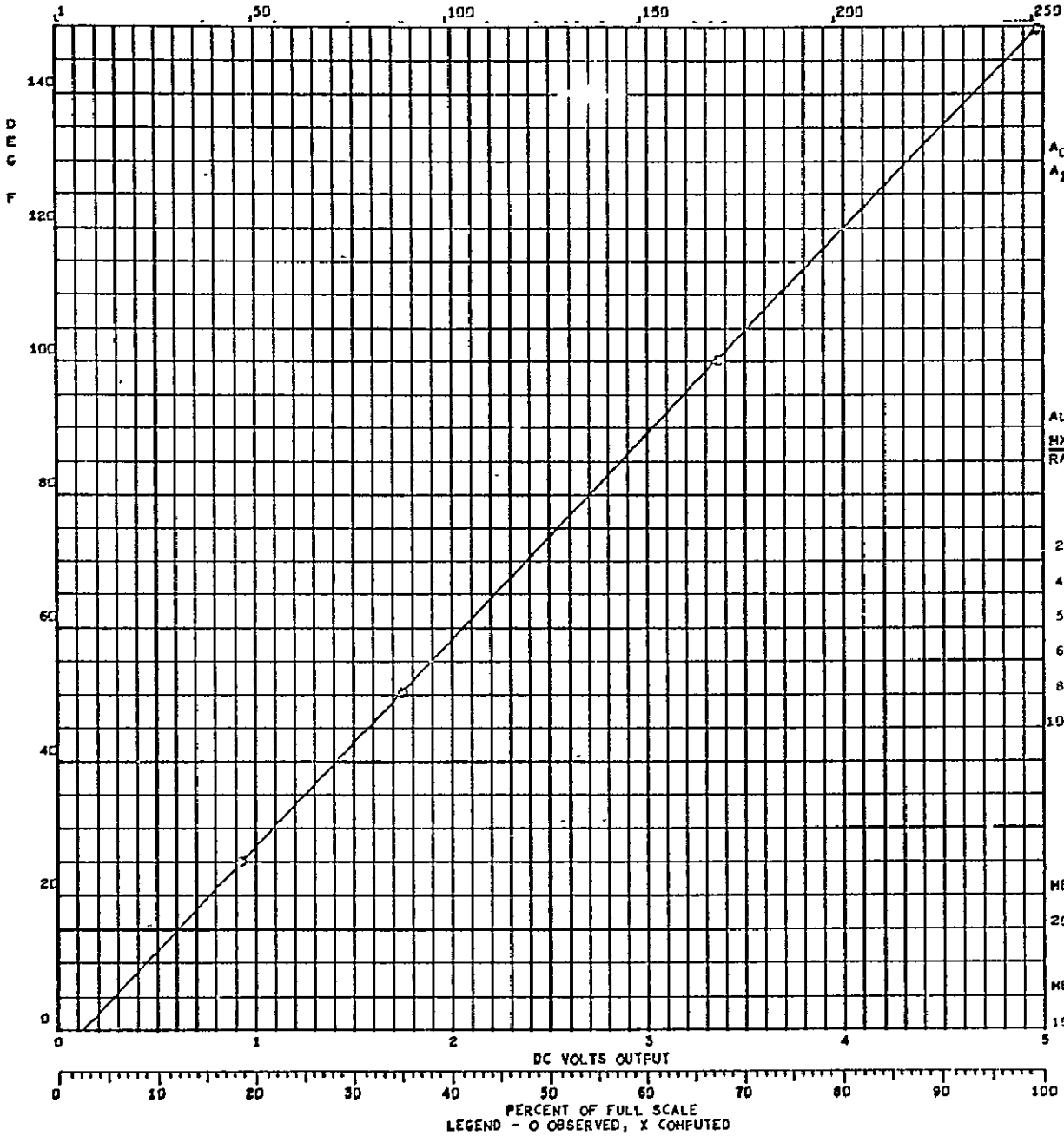
09/27/71
1 INSTALLATION DATE FEB. 17,1960
TEMP SPS OXID SMP TK SRF BAY 3
CAL RANGE -.250292 TO 149.723

SC-113

HARDWARE CALIB. NO. 77934 02 00 00

SERIAL NO. 10308102806A

x21515



EQUATION COEFFICIENTS

A_0= -3.681 E 00

A_1= 3.091 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -3.681E 00
20% = 2.723E 01
40% = 5.814E 01
50% = 7.359E 01
60% = 8 905E 01
80% = 1 200E 02
100% = 1 509E 02

MEASUREMENT NO.
200SP0058T02

MEAS LOADING NO.
1946984 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP SPS OXID SHP TK SRF BAY 3

MEASUREMENT NO. 200SP0058T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10358102806A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/17/60

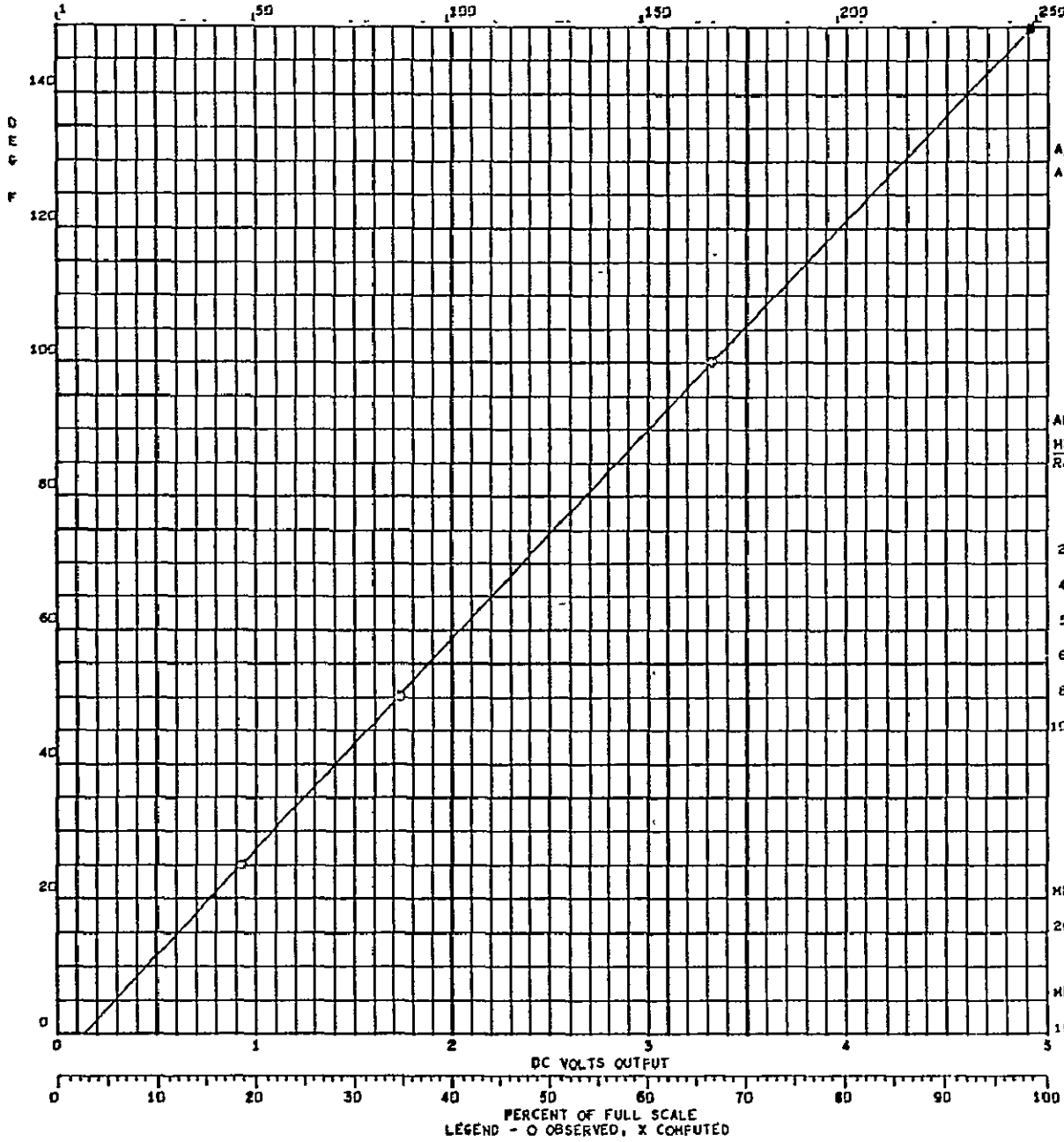
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.681	38	18.921	75	41.523	112	64.124	149	86.726	186	109.328	223	131.930
2	-3.070	39	19.532	76	42.133	113	64.735	150	87.337	187	109.939	224	132.541
3	-2.460	40	20.142	77	42.744	114	65.346	151	87.948	188	110.550	225	133.152
4	-1.849	41	20.753	78	43.355	115	65.957	152	88.559	189	111.161	226	133.763
5	-1.238	42	21.364	79	43 966	116	66.568	153	89.170	190	111.772	227	134.374
6	-0.627	43	21.975	80	44.577	117	67.179	154	89.781	191	112.383	228	134.985
7	-0.016	44	22.585	81	45.188	118	67.790	155	90.392	192	112.994	229	135.595
8	0.595	45	23.197	82	45.799	119	68.401	156	91.002	193	113.604	230	136.206
9	1.206	46	23.808	83	46.409	120	69.011	157	91.613	194	114.215	231	136.817
10	1.817	47	24.418	84	47.020	121	69.622	158	92.224	195	114.826	232	137.428
11	2.427	48	25.029	85	47.631	122	70.233	159	92.835	196	115.437	233	138.039
12	3.038	49	25.640	86	48 242	123	70.844	160	93.446	197	116 048	234	138.650
13	3.649	50	26.251	87	48.853	124	71.455	161	94.057	198	116.659	235	139.261
14	4.260	51	26.862	88	49.464	125	72.066	162	94.668	199	117.270	236	139.871
15	4.871	52	27.473	89	50.075	126	72.677	163	95.278	200	117.880	237	140.482
16	5.482	53	28 084	90	50.686	127	73.287	164	95.889	201	118 491	238	141.093
17	6.093	54	28.694	91	51 296	128	73 898	165	96.500	202	119.102	239	141.704
18	6.703	55	29.305	92	51.907	129	74.509	166	97.111	203	119.713	240	142.315
19	7.314	56	29.916	93	52.518	130	75.120	167	97.722	204	120.324	241	142.926
20	7.925	57	30.527	94	53.129	131	75.731	168	98.333	205	120.935	242	143.537
21	8.536	58	31.138	95	53.740	132	7C 342	169	98.944	206	121.546	243	144.148
22	9.147	59	31.749	96	54.351	133	76.953	170	99.555	207	122.156	244	144.758
23	9.758	60	32 360	97	54.962	134	77.563	171	100.165	208	122 767	245	145.369
24	10.369	61	32.970	98	55.572	135	78.174	172	100.776	209	123.378	246	145.980
25	10.979	62	33.581	99	56.183	136	78.785	173	101.387	210	123.989	247	146.591
26	11.590	63	34.192	100	56.794	137	79.396	174	101.998	211	124.600	248	147.202
27	12.201	64	34.803	101	57.405	138	80.007	175	102.609	212	125.211	249	147.813
28	12 812	65	35.414	102	58.016	139	80.618	176	103.220	213	125.822	250	148 424
29	13.423	66	36.025	103	58.627	140	81.229	177	103.831	214	126.432	251	149.034
30	14 034	67	36.636	104	59.238	141	81.840	178	104.441	215	127.043	252	149 645
31	14.645	68	37.247	105	59.848	142	82.450	179	105.052	216	127.654	253	150.256
32	15.255	69	37 857	106	60.459	143	83.061	180	105.663	217	128.265	254	150.867
33	15.866	70	38.468	107	61.070	144	83.672	181	106.274	218	128 876		
34	16.477	71	39.079	108	61.681	145	84.283	182	106.885	219	129.487		
35	17 088	72	39.690	109	62.292	146	84.894	183	107.496	220	130.098		
36	17.699	73	40.301	110	62.903	147	85.505	184	108.107	221	130.709		
37	18.310	74	40.912	111	63 514	148	86.116	185	108.717	222	131.319		

09/27/71
1 INSTALLATION DATE FEB. 17,1960
TEMP SPS FUEL SMP TK SRF BAY 6
CAL RANGE -.173355 TO 149.824

SC-113

HARDWARE CALIB. NO. 77935 01 00 00
SERIAL NO. 10308102807A

=21515



EQUATION COEFFICIENTS

A_0= -3.963 E 00
A_1= 3.132 E 01

AL DEV= 0
$\frac{HX\ DEV}{RANGE}$ = 0

0% = -3.963E 00
20% = 2.736E 01
40% = 5.868E 01
50% = 7.434E 01
60% = 9.000E 01
80% = 1 213E 02
100% = 1.526E 02

MEASUREMENT NO.
200SP0059T02

MEAS LOADING NO.
1947984 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP SFS FUEL SMP TK SRF BAY 6

MEASUREMENT NO. 2005P0059T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308102807A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/17/60

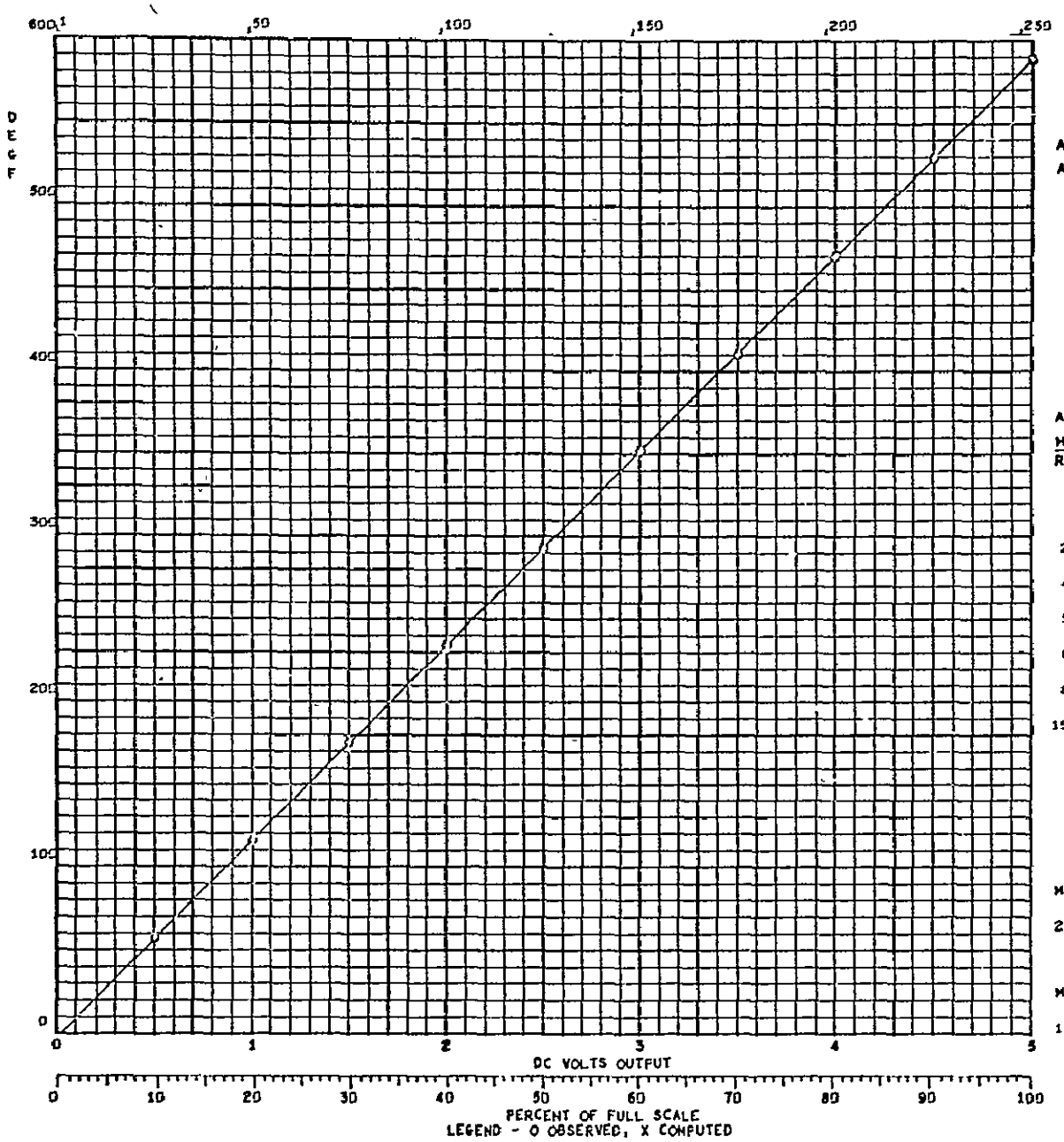
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.963	38	18.940	75	41.843	112	64.746	149	87.648	186	110.551	223	133.454
2	-3.344	39	19.559	76	42.462	113	65.365	150	88.267	187	111.170	224	134.073
3	-2.725	40	20.178	77	43.081	114	65.984	151	88.886	188	111.789	225	134.692
4	-2.106	41	20.797	78	43.700	115	66.603	152	89.505	189	112.408	226	135.311
5	-1.487	42	21.416	79	44.319	116	67.222	153	90.124	190	113.027	227	135.930
6	-0.868	43	22.035	80	44.938	117	67.841	154	90.743	191	113.646	228	136.549
7	-0.249	44	22.654	81	45.557	118	68.460	155	91.362	192	114.265	229	137.168
8	0.370	45	23.273	82	46.176	119	69.079	156	91.981	193	114.884	230	137.787
9	0.989	46	23 892	83	46.795	120	69.698	157	92.600	194	115.503	231	138.406
10	1.608	47	24.511	84	47.414	121	70.317	158	93.219	195	116.122	232	139.025
11	2.227	48	25.130	85	48.033	122	70.936	159	93.838	196	116.741	233	139.644
12	2.846	49	25.749	86	48.652	123	71.554	160	94.457	197	117.360	234	140.263
13	3.465	50	26.368	87	49.271	124	72.173	161	95.076	198	117.979	235	140.882
14	4.084	51	26.987	88	49.890	125	72.792	162	95.695	199	118.598	236	141.501
15	4.703	52	27.606	89	50.509	126	73.411	163	96.314	200	119.217	237	142 120
16	5.322	53	28.225	90	51.128	127	74.030	164	96.933	201	119.836	238	142.739
17	5.941	54	28.844	91	51.747	128	74.649	165	97.552	202	120.455	239	143.358
18	6.560	55	29.463	92	52.366	129	75.268	166	98.171	203	121.074	240	143.977
19	7.179	56	30 082	93	52.985	130	75.887	167	98.790	204	121.693	241	144.596
20	7.798	57	30.701	94	53.604	131	76.506	168	99.409	205	122.312	242	145.215
21	8.417	58	31.320	95	54.223	132	77.125	169	100.028	206	122.931	243	145.834
22	9.036	59	31.939	96	54.842	133	77.744	170	100 647	207	123.550	244	146 453
23	9.655	60	32.558	97	55.461	134	78.363	171	101.266	208	124.169	245	147 072
24	10.274	61	33.177	98	56.080	135	78.982	172	101 885	209	124.788	246	147 691
25	10.893	62	33.796	99	56.699	136	79.601	173	102.504	210	125.407	247	148.310
26	11.512	63	34.415	100	57.318	137	80.220	174	103.123	211	126.026	248	148.929
27	12.131	64	35.034	101	57.937	138	80.839	175	103 742	212	126.645	249	149 548
28	12.750	65	35.653	102	58.556	139	81.458	176	104.361	213	127.264	250	150.167
29	13.369	66	36.272	103	59.175	140	82.077	177	104.980	214	127.883	251	150 786
30	13.988	67	36.891	104	59.794	141	82.696	178	105.599	215	128.502	252	151.405
31	14.607	68	37.510	105	60.413	142	83.315	179	106.218	216	129.121	253	152.024
32	15.226	69	38.129	106	61.032	143	83.934	180	106.837	217	129.740	254	152.643
33	15.845	70	38.748	107	61.651	144	84.553	181	107.456	218	130.359		
34	16.464	71	39.367	108	62.270	145	85.172	182	108.075	219	130 978		
35	17.083	72	39.986	109	62.889	146	85.791	183	108.694	220	131.597		
36	17.702	73	40.605	110	63.508	147	86.410	184	109 313	221	132.216		
37	18.321	74	41.224	111	64.127	148	87.029	185	109.932	222	132.835		

09/27/71
1 INSTALLATION DATE OCT. 1,1969
ENG INJECTOR FLANGE TEMP NO 2
CAL RANGE -1.90135 TO 586.281

SC-113

HARDWARE CALIB. NO. 'SERIAL NO.
80454 01 001899000180
81445 01 089781212011
00

#21515



EQUATION COEFFICIENTS

A_0= -1.901 E 00
A_1= 1.180 E 02

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1 901E 00
20% = 1.161E 02
40% = 2.342E 02
50% = 2.932E 02
60% = 3.522E 02
80% = 4 702E 02
100% = 5.883E 02

MEASUREMENT NO.
209SP0062T01

MEAS LOADING NO
1917052 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ENG INJECTOR FLANGE TEMP NO 2

MEASUREMENT NO. 200SP0062T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001890000180
SIGNAL CONDITIONER SERIAL NO 089781212011
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/01/69

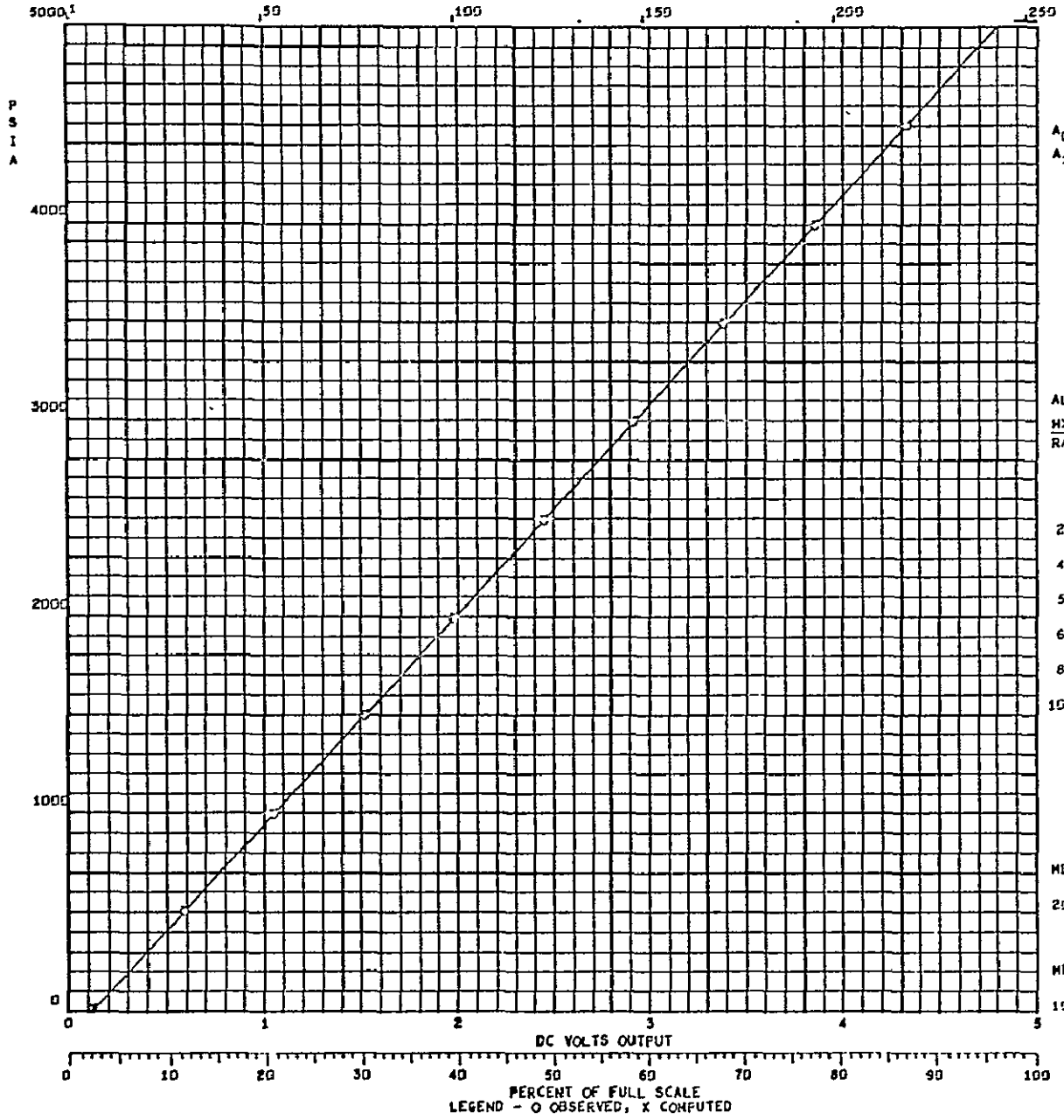
CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	-1.901	38	84.410	75	170.721	112	257.033	149	343.344	186	429.655	223	515.967
2	0.431	39	86.743	76	173.054	113	259.365	150	345.677	187	431.988	224	518.299
3	2.764	40	89.075	77	175.387	114	261.698	151	348.009	188	434.321	225	520 632
4	5.097	41	91.408	78	177.720	115	264.031	152	350.342	189	436.654	226	522.965
5	7.430	42	93.741	79	180.052	116	266.364	153	352.675	190	438.986	227	525 298
6	9.762	43	96 074	80	182.385	117	268.696	154	355.008	191	441.319	228	527.630
7	12 095	44	98.406	81	184.718	118	271.029	155	357.340	192	443.652	229	529.963
8	14.428	45	100.739	82	187.050	119	273.362	156	359 673	193	445.984	230	532.296
9	16 761	46	103.072	83	189.383	120	275.695	157	362.006	194	448 317	231	534.629
10	19.093	47	105.405	84	191.716	121	278.027	158	364.339	195	450.650	232	536.961
11	21.426	48	107.737	85	194.049	122	280.360	159	366.671	196	452.983	233	539.294
12	23.759	49	110 070	86	196.381	123	282.693	160	369.004	197	455.315	234	541 627
13	26 092	50	112.403	87	198.714	124	285 026	161	371.337	198	457.648	235	543.960
14	28.424	51	114.736	88	201.047	125	287.358	162	373.670	199	459.981	236	546.292
15	30.757	52	117.068	89	203.380	126	289.691	163	376.002	200	462.314	237	548.625
16	33.090	53	119.401	90	205.712	127	292.024	164	378.335	201	464 646	238	550 958
17	35.422	54	121.734	91	208 045	128	294.356	165	380.668	202	466.979	239	553.291
18	37.755	55	124.067	92	210.378	129	296.689	166	383.001	203	469.312	240	555.623
19	40.088	56	126.399	93	212.711	130	299 022	167	385.333	204	471.645	241	557.956
20	42.421	57	128.732	94	215 043	131	301.355	168	387.666	205	473.977	242	560.289
21	44.753	58	131 065	95	217.376	132	303.687	169	389.999	206	476.310	243	562.622
22	47.086	59	133.398	96	219.709	133	306.020	170	392.332	207	478.643	244	564.954
23	49.419	60	135.730	97	222.042	134	308.353	171	394.664	208	480.976	245	567.287
24	51.752	61	138 063	98	224.374	135	310.686	172	396.997	209	483.308	246	569.620
25	54.084	62	140.396	99	226.707	136	313.018	173	399.330	210	485.641	247	571.953
26	56.417	63	142.728	100	229.040	137	315.351	174	401.662	211	487.974	248	574.285
27	58.750	64	145.061	101	231.373	138	317.684	175	403.995	212	490.307	249	576.618
28	61.083	65	147.394	102	233.705	139	320.017	176	406.328	213	492.639	250	578 951
29	63.415	66	149.727	103	236.038	140	322.349	177	408 661	214	494.972	251	581.284
30	65.748	67	152.059	104	238.371	141	324.682	178	410.993	215	497.305	252	583.616
31	68.081	68	154.392	105	240.703	142	327.015	179	413.326	216	499 638	253	585.949
32	70 414	69	156.725	106	243 036	143	329.348	180	415.659	217	501.970	254	588.282
33	72.746	70	159.058	107	245.369	144	331.680	181	417 992	218	504 303		
34	75.079	71	161.390	108	247.702	145	334.013	182	420.324	219	506 636		
35	77.412	72	163.723	109	250 034	146	336.346	183	422 657	220	508.968		
36	79.745	73	166.056	110	252.367	147	338.679	184	424.990	221	511.301		
37	82.077	74	168.389	111	254.700	148	341.011	185	427.323	222	513.634		

09/27/71
1 INSTALLATION DATE MARCH 13,1961
SPS PRPLNT TKS N2 A PRESS
CAL RANGE 10.4728 TO 5009.43

SC-113

HARDWARE CALIB. NO. 81521 03 00 00
SERIAL NO. 100954330338

=21515



EQUATION COEFFICIENTS

A_0= -1.187 E 02
A_1= 1.068 E 03

AL DEV= 0
HX DEV / RANGE = 0

0% = -1.187E 02
20% = 9.492E 02
40% = 2.017E 03
50% = 2 551E 03
60% = 3.085E 03
80% = 4.153E 03
100% = 5.221E 03

MEASUREMENT NO
200SP0600F02

MEAS LOADING NO.
1054052 12 20

CALIBRATION-TABLE OF 8-BIT-COUNTS-VS-ENGINEERING-UNITS.####

SPS FRPLNT TKS N2 A PRESS

MEASUREMENT NO. 200SP0600P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 100954330334
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 03/13/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-118 746	38	662.148	75	1443.041	112	2223.935	149	3004.828	186	3785.722	223	4566.616
2	-97.641	39	683.253	76	1464.146	113	2245.040	150	3025.933	187	3806.827	224	4587.721
3	-76.536	40	704.358	77	1485.252	114	2266.145	151	3047.039	188	3827.932	225	4608.826
4	-55.430	41	725.463	78	1506.357	115	2287.250	152	3068.144	189	3849.037	226	4629.932
5	-34.325	42	746.568	79	1527.462	116	2308.356	153	3089.249	190	3870 143	227	4651.037
6	-13.220	43	767.674	80	1548.567	117	2329.461	154	3110.354	191	3891.248	228	4672.142
7	7.885	44	788.779	81	1569.672	118	2350.566	155	3131.460	192	3912.353	229	4693.247
8	28.991	45	809.884	82	1590.778	119	2371.671	156	3152.565	193	3933.458	230	4714.353
9	50.096	46	830.989	83	1611.883	120	2392.776	157	3173.670	194	3954.564	231	4735 458
10	71.201	47	852.095	84	1632.988	121	2413.882	158	3194.775	195	3975.669	232	4756.563
11	92.306	48	873.200	85	1654.093	122	2434.987	159	3215.880	196	3996.774	233	4777.669
12	113.411	49	894.305	86	1675.199	123	2456 092	160	3236.986	197	4017.879	234	4798.774
13	134.517	50	915.410	87	1696.304	124	2477.197	161	3258.091	198	4038.984	235	4819.879
14	155.622	51	936.516	88	1717.409	125	2498.303	162	3279.196	199	4060.090	236	4840 984
15	176.727	52	957.621	89	1738.514	126	2519.408	163	3300.301	200	4081.195	237	4862.090
16	197.832	53	978.726	90	1759.620	127	2540.513	164	3321.407	201	4102.300	238	4883 195
17	218.938	54	999.831	91	1780.725	128	2561.618	165	3342.512	202	4123.405	239	4904.300
18	240.043	55	1020.936	92	1801.830	129	2582.724	166	3363.617	203	4144.511	240	4925.405
19	261.148	56	1042 042	93	1822.935	130	2603 829	167	3384.722	204	4165.616	241	4946.511
20	282.253	57	1063.147	94	1844.040	131	2624.934	168	3405.828	205	4186.721	242	4967.616
21	303.359	58	1084.252	95	1865.146	132	2646.039	169	3426.933	206	4207.826	243	4988 721
22	324.464	59	1105.357	96	1886.251	133	2667.144	170	3448.038	207	4228.932	244	5009.826
23	345.569	60	1126.463	97	1907.356	134	2688.250	171	3469.143	208	4250.037	245	5030 932
24	366.674	61	1147.568	98	1928.461	135	2709.355	172	3490.249	209	4271.142	246	5052.037
25	387.779	62	1168.673	99	1949.567	136	2730.460	173	3511.354	210	4292.247	247	5073 142
26	408 885	63	1189.778	100	1970.672	137	2751.565	174	3532.459	211	4313.353	248	5094.247
27	429.990	64	1210.884	101	1991.777	138	2772.671	175	3553.564	212	4334.458	249	5115.353
28	451.095	65	1231.989	102	2012 882	139	2793.776	176	3574.669	213	4355 563	250	5136.458
29	472.200	66	1253.094	103	2033.988	140	2814.881	177	3595.775	214	4376.669	251	5157.563
30	493.306	67	1274.199	104	2055 093	141	2835.986	178	3616.880	215	4397.774	252	5178 669
31	514.411	68	1295.304	105	2076.198	142	2857.092	179	3637.985	216	4418.879	253	5199.774
32	535.516	69	1316.410	106	2097.303	143	2878.197	180	3659.090	217	4439.984	254	5220 879
33	556.621	70	1337 515	107	2118 408	144	2899.302	181	3680.196	218	4461.090		
34	577.727	71	1358.620	108	2139.514	145	2920.407	182	3701.301	219	4482.195		
35	598.832	72	1379.725	109	2160.619	146	2941.512	183	3722.406	220	4503 300		
36	619.937	73	1400.831	110	2181.724	147	2962.618	184	3743.511	221	4524.405		
37	641.042	74	1421.936	111	2202.829	148	2983.723	185	3764.617	222	4545.511		

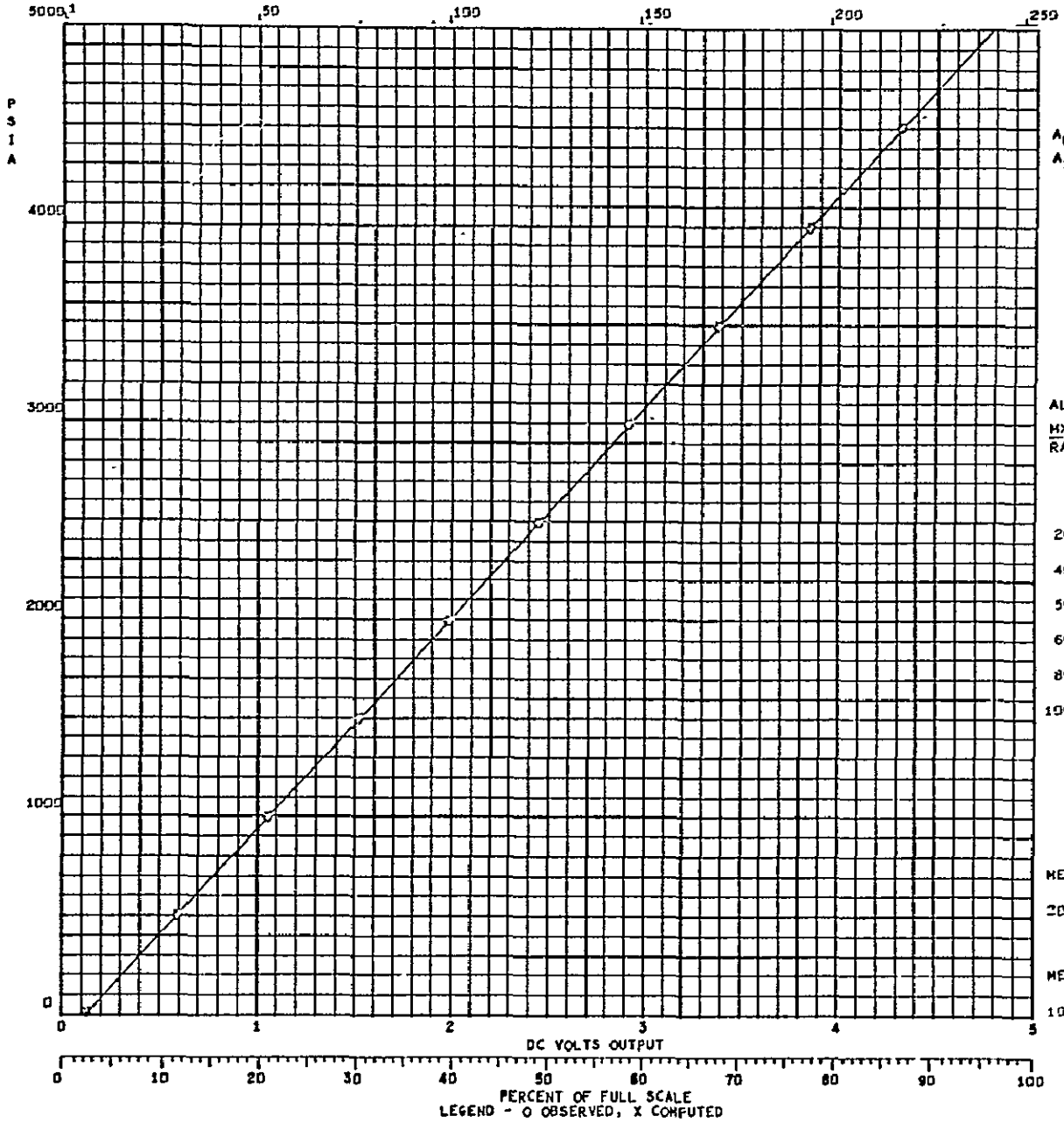
09/27/71
1 INSTALLATION DATE MAY 16,1969
SPS PRPLNT TKS N2 B PRESS
CAL RANGE 9.63579 TO 5009.26

SC-113

HARDWARE CALIB. NO. 77290 01 00 00

SERIAL NO. 10308603250A

=21515



EQUATION COEFFICIENTS

A_0= -1.277 E 02

A_1= 1.073 E 03

AL DEV= 0

HX DEV / RANGE = 0

0% = -1.277E 02

20% = 9.452E 02

40% = 2.018E 03

50% = 2.555E 03

60% = 3.091E 03

80% = 4.164E 03

100% = 5.237E 03

MEASUREMENT NO.

200SP0601P01

MEAS LOADING NO.

1004084 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

SPS FRFLNT TKS N2 B FRESS

MEASUREMENT NO. 200SPD601P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603250A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/16/69

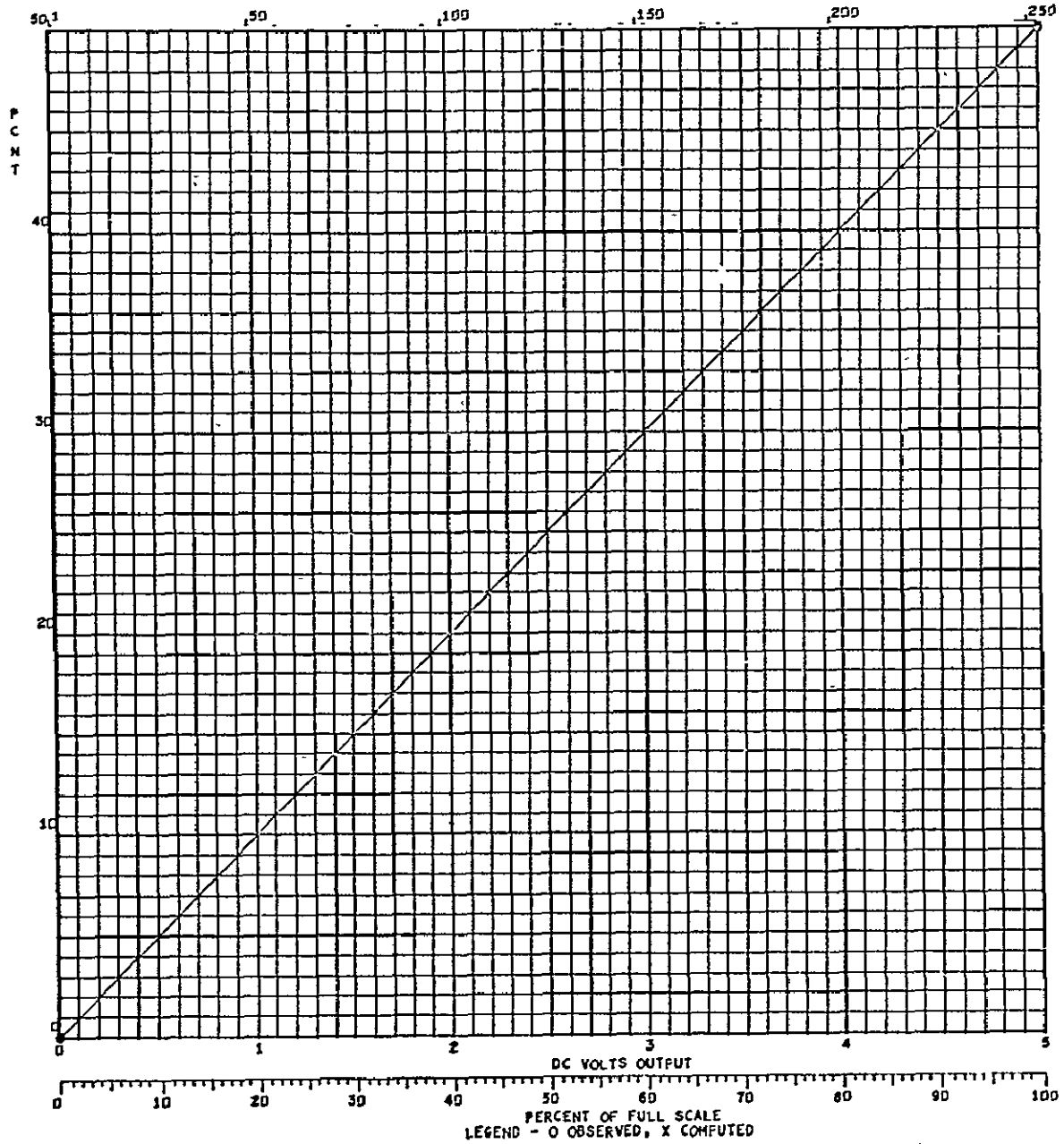
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-127.694	38	656.828	75	1441 349	112	2225.871	149	3010.392	186	3794.914	223	4579.436
2	-106.490	39	678.031	76	1462.553	113	2247.074	150	3031.596	187	3816.117	224	4600.639
3	-85.287	40	699 235	77	1483.756	114	2268.277	151	3052.799	188	3837.320	225	4621.843
4	-64.084	41	720.438	78	1504 959	115	2289.481	152	3074.002	189	3858.524	226	4643.046
5	-42.880	42	741.641	79	1526.163	116	2310.684	153	3095.206	190	3879.727	227	4664.249
6	-21.677	43	762.844	80	1547.366	117	2331.887	154	3116.409	191	3900.930	228	4685.453
7	-0.474	44	784.048	81	1568.569	118	2353.091	155	3137.612	192	3922.134	229	4706 656
8	20.729	45	805.251	82	1589.772	119	2374.294	156	3158.815	193	3943.337	230	4727.859
9	41.933	46	826.454	83	1610.976	120	2395.497	157	3180.019	194	3964.540	231	4749.062
10	63.136	47	847.657	84	1632.179	121	2416.700	158	3201 222	195	3985.743	232	4770 266
11	84.339	48	868.861	85	1653.382	122	2437.904	159	3222.425	196	4006.947	233	4791.469
12	105.543	49	890.064	86	1674.586	123	2459.107	160	3243.629	197	4028.150	234	4812.672
13	126.746	50	911.267	87	1695.789	124	2480.310	161	3264.832	198	4049.353	235	4833 876
14	147.949	51	932.471	88	1716.992	125	2501.514	162	3286.035	199	4070.557	236	4855.079
15	169.152	52	953.674	89	1738.195	126	2522.717	163	3307.238	200	4091.760	237	4876.282
16	190.356	53	974.877	90	1759 399	127	2543.920	164	3328.442	201	4112.963	238	4897.486
17	211.559	54	996.080	91	1780.602	128	2565.123	165	3349.645	202	4134.166	239	4918.689
18	232.762	55	1017.284	92	1801 805	129	2586.327	166	3370.848	203	4155.370	240	4939.892
19	253.966	56	1038.487	93	1823.009	130	2607.530	167	3392.051	204	4176.573	241	4961.096
20	275.169	57	1059.690	94	1844.212	131	2628.733	168	3413 255	205	4197.776	242	4982.299
21	296.372	58	1080 894	95	1865 415	132	2649.937	169	3434.458	206	4218.980	243	5003.502
22	317.575	59	1102.097	96	1886.618	133	2671.140	170	3455.661	207	4240.183	244	5024.706
23	338.779	60	1123.300	97	1907.822	134	2692.343	171	3476.865	208	4261.386	245	5045.909
24	359.982	61	1144.503	98	1929.025	135	2713.546	172	3498 068	209	4282.590	246	5067.112
25	381.185	62	1165.707	99	1950.228	136	2734.750	173	3519.271	210	4303.793	247	5088.315
26	402.389	63	1186.910	100	1971 432	137	2755.953	174	3540.474	211	4324.996	248	5109.519
27	423.592	64	1208.113	101	1992 635	138	2777.156	175	3561.678	212	4346.199	249	5130.722
28	444.795	65	1229 317	102	2013.838	139	2798.360	176	3582.881	213	4367.403	250	5151.925
29	465.998	66	1250.520	103	2035 041	140	2819.563	177	3604.084	214	4388:606	251	5173.129
30	487.202	67	1271.723	104	2056.245	141	2840.766	178	3625.288	215	4409.809	252	5194.332
31	508 405	68	1292.926	105	2077.448	142	2861.969	179	3646.491	216	4431.013	253	5215.535
32	529.608	69	1314 130	106	2098.651	143	2883.173	180	3667.694	217	4452.216	254	5236.739
33	550.812	70	1335.333	107	2119 854	144	2904.376	181	3688.897	218	4473.419		
34	572.015	71	1356 536	108	2141.058	145	2925.579	182	3710.101	219	4494.623		
35	593.218	72	1377.740	109	2162.261	146	2946.783	183	3731.304	220	4515.826		
36	614.421	73	1398.943	110	2183.464	147	2967.986	184	3752.507	221	4537 029		
37	635.625	74	1420.146	111	2204 668	148	2989.189	185	3773.711	222	4558.233		

09/27/71
1 INSTALLATION DATE FEB. 24,1967
QUAN OX TNK 1 PRI-TOTAL AUX
CAL RANGE 0 TO 50.0000

SC-113

HARDWARE CALIB. NO. 20349 03 00 00
SERIAL NO. STD

=21515



EQUATION COEFFICIENTS

A_0= 0.

A_1= 1.000 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = 0.

20% = 1.000E 01

40% = 2.000E 01

50% = 2.500E 01

60% = 3.000E 01

80% = 4.000E 01

100% = 5.000E 01

MEASUREMENT NO.

200SP0655Q71

MEAS LOADING NO.

1003584 12 20

STANDARD CALIBRATION - TO BE REPLACED LATER

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN QX TNK 1 PRI-TOTAL AUX

MEASUREMENT NO. 200SP0655071
VEHICLE SC-113
TRANSDUCER SERIAL NO STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/24/67

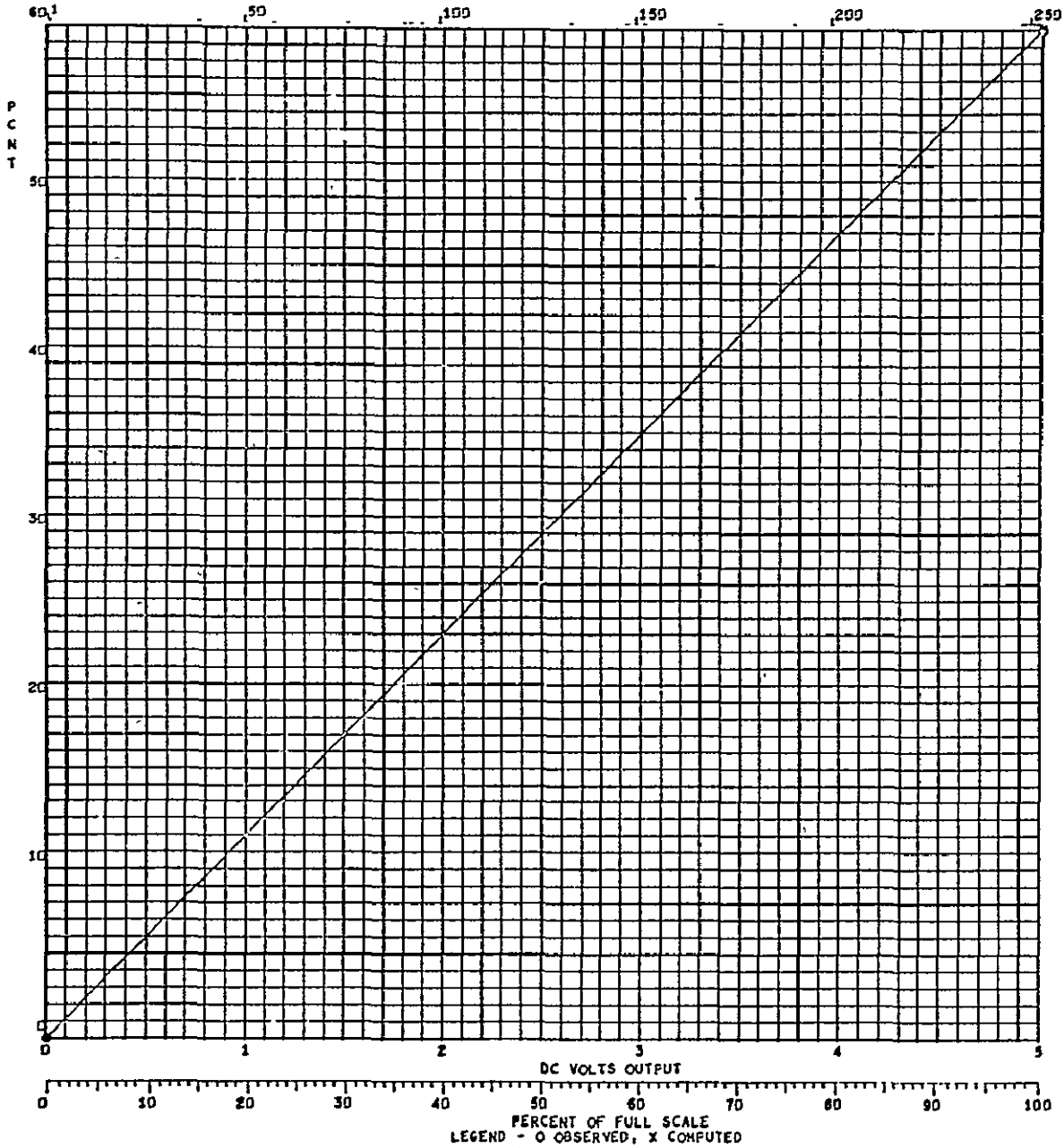
CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	0.	38	7.312	75	14.625	112	21.937	149	29.249	186	36.561	223	43.874
2	0.198	39	7.510	76	14.822	113	22.134	150	29.447	187	36.759	224	44.071
3	0.395	40	7.708	77	15.020	114	22.332	151	29.644	188	36.957	225	44.269
4	0.593	41	7.905	78	15.217	115	22.530	152	29.842	189	37.154	226	44.466
5	0.791	42	8.103	79	15.415	116	22.727	153	30.040	190	37.352	227	44.664
6	0.988	43	8.300	80	15.613	117	22.925	154	30.237	191	37.549	228	44.862
7	1.186	44	8 498	81	15.810	118	23.123	155	30.435	192	37.747	229	45.059
8	1.383	45	8.696	82	16.008	119	23.320	156	30.632	193	37.945	230	45.257
9	1.581	46	8 893	83	16.206	120	23.518	157	30.830	194	38.142	231	45.455
10	1.779	47	9.091	84	16.403	121	23.715	158	31.028	195	38.340	232	45.652
11	1.976	48	9.289	85	16.601	122	23.913	159	31.225	196	38.538	233	45.850
12	2.174	49	9.486	86	16.798	123	24.111	160	31.423	197	38.735	234	46.047
13	2.372	50	9.684	87	16.996	124	24.308	161	31 621	198	38.933	235	46.245
14	2.569	51	9.881	88	17.194	125	24.506	162	31.818	199	39.130	236	46.443
15	2.767	52	10.079	89	17.391	126	24.704	163	32.016	200	39.328	237	46.640
16	2.964	53	10.277	90	17.589	127	24.901	164	32.213	201	39.526	238	46.838
17	3.162	54	10.474	91	17.787	128	25.099	165	32.411	202	39.723	239	47.036
18	3.360	55	10.672	92	17.984	129	25.296	166	32.609	203	39.921	240	47.233
19	3.557	56	10.870	93	18.182	130	25.494	167	32.806	204	40.119	241	47.431
20	3.755	57	11.067	94	18.379	131	25 692	168	33 004	205	40.316	242	47.628
21	3.953	58	11.265	95	18.577	132	25.889	169	33.202	206	40.514	243	47.826
22	4.150	59	11.462	96	18.775	133	26.087	170	33.399	207	40.711	244	48.024
23	4.348	60	11.660	97	18.972	134	26.285	171	33.597	208	40.909	245	48.221
24	4.545	61	11.858	98	19.170	135	26.482	172	33.794	209	41.107	246	48.419
25	4.743	62	12.055	99	19.368	136	26.680	173	33.992	210	41.304	247	48.617
26	4.941	63	12.253	100	19.565	137	26.877	174	34.190	211	41.502	248	48.814
27	5.138	64	12.451	101	19.763	138	27.075	175	34.387	212	41.700	249	49.012
28	5.336	65	12.648	102	19.960	139	27.273	176	34.585	213	41.897	250	49 209
29	5.534	66	12.846	103	20.158	140	27.470	177	34.783	214	42.095	251	49.407
30	5.731	67	13.043	104	20.356	141	27.668	178	34.980	215	42.292	252	49.605
31	5.929	68	13.241	105	20.553	142	27 866	179	35.178	216	42.490	253	49.802
32	6.126	69	13 439	106	20.751	143	28.063	180	35.375	217	42.688	254	50.000
33	6.324	70	13.636	107	20.949	144	28.261	181	35.573	218	42.885		
34	6.522	71	13.834	108	21.146	145	28.458	182	35.771	219	43.083		
35	6.719	72	14.032	109	21.344	146	28.656	183	35.968	220	43.281		
36	6.917	73	14.229	110	21.542	147	28.854	184	36.166	221	43.478		
37	7.115	74	14.427	111	21.739	148	29.051	185	36.364	222	43.676		

09/27/71
1 INSTALLATION DATE FEB. 24,1967
QUAN OX TANK 2
CAL RANGE . 0 TO 60.0000

SC-113

HARDWARE CALIB. NO. 20352 03 00 00
SERIAL NO. STD

=21515



EQUATION COEFFICIENTS

A_0= 0.
A_1= 1.200 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = 0.
20% = 1.200E 01
40% = 2.400E 01
50% = 3.000E 01
60% = 3.600E 01
80% = 4.800E 01
100% = 6.000E 01

MEASUREMENT NO.
200SP0656Q71

MEAS LOADING NO
1010052 12 20

STANDARD CALIBRATION - TO BE REPLACED LATER

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN OX TANK 2

MEASUREMENT NO. 2DOSP0656271
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/24/67

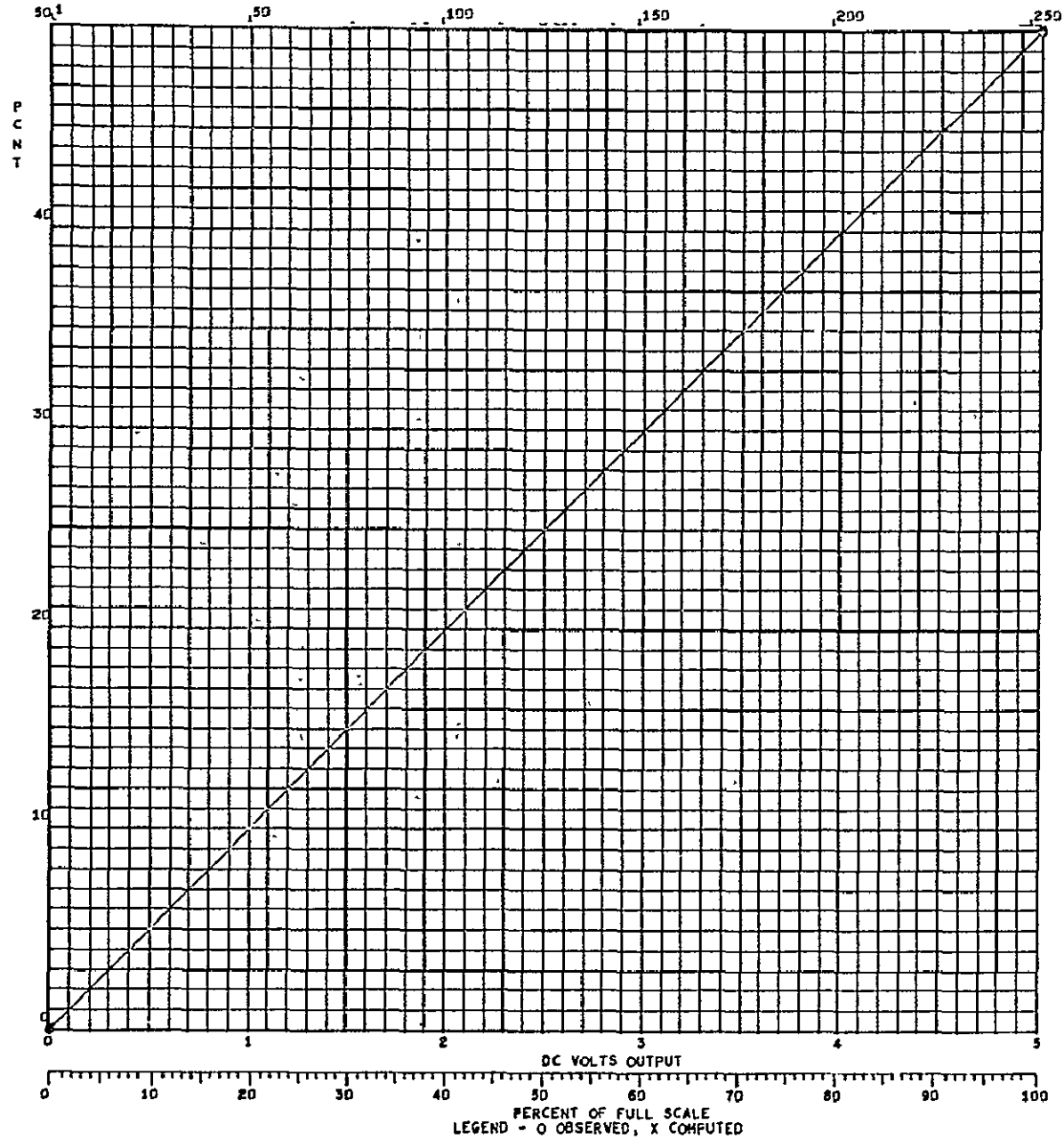
CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	0.	38	8.775	75	17.549	112	26.324	149	35.099	186	43.874	223	52.648
2	0.237	39	9.012	76	17.787	113	26.561	150	35.336	187	44.111	224	52.885
3	0.474	40	9.249	77	18.024	114	26.798	151	35.573	188	44.348	225	53.123
4	0 711	41	9.486	78	18.261	115	27.036	152	35.810	189	44.585	226	53.360
5	0.949	42	9.723	79	18.498	116	27.273	153	36.047	190	44.822	227	53.597
6	1.186	43	9.960	80	18.735	117	27.510	154	36.285	191	45 059	228	53.834
7	1.423	44	10.198	81	18.972	118	27.747	155	36.522	192	45.296	229	54.071
8	1 660	45	10.435	82	19.209	119	27.984	156	36.759	193	45.534	230	54.308
9	1.897	46	10.672	83	19.447	120	28.221	157	36.996	194	45.771	231	54.545
10	2 134	47	10.909	84	19.684	121	28.458	158	37.233	195	46.008	232	54.783
11	2.372	48	11.146	85	19.921	122	28.696	159	37.470	196	46 245	233	55.020
12	2 609	49	11.383	86	20.158	123	28.933	160	37.708	197	46.482	234	55.257
13	2.846	50	11.621	87	20 395	124	29.170	161	37.945	198	46.719	235	55.494
14	3.083	51	11 858	88	20.632	125	29.407	162	38.182	199	46.957	236	55.731
15	3.320	52	12.095	89	20.870	126	29.644	163	38.419	200	47.194	237	55.968
16	3 557	53	12.332	90	21.107	127	29.881	164	38.656	201	47.431	238	56.206
17	3.794	54	12.569	91	21.344	128	30.119	165	38.893	202	47.668	239	56.443
18	4.032	55	12.806	92	21.581	129	30.356	166	39.130	203	47.905	240	56 680
19	4.269	56	13.043	93	21.818	130	30.593	167	39.368	204	48.142	241	56.917
20	4.506	57	13.281	94	22.055	131	30.830	168	39 605	205	48.379	242	57.154
21	4.743	58	13.518	95	22.292	132	31.067	169	39.842	206	48 617	243	57.391
22	4.980	59	13.755	96	22.530	133	31.304	170	40 079	207	48.854	244	57.628
23	5.217	60	13.992	97	22.767	134	31.541	171	40 316	208	49.091	245	57 866
24	5.455	61	14.229	98	23.004	135	31.779	172	40.553	209	49.328	246	58.103
25	5.692	62	14.466	99	23.241	136	32.016	173	40.791	210	49.565	247	58.340
26	5.929	63	14.704	100	23.478	137	32.253	174	41.028	211	49.802	248	58.577
27	6 166	64	14.941	101	23.715	138	32.490	175	41.265	212	50.040	249	58.814
28	6.403	65	15.178	102	23.953	139	32.727	176	41.502	213	50.277	250	59 051
29	6 640	66	15.415	103	24.190	140	32.964	177	41.739	214	50.514	251	59 289
30	6.877	67	15 652	104	24.427	141	33.202	178	41.976	215	50.751	252	59.526
31	7.115	68	15.889	105	24.664	142	33.439	179	42 213	216	50.988	253	59 763
32	7.352	69	16.126	106	24.901	143	33 676	180	42.451	217	51.225	254	60.000
33	7.589	70	16 364	107	25.138	144	33.913	181	42.688	218	51.462		
34	7.826	71	16.601	108	25 375	145	34.150	182	42.925	219	51.700		
35	8 063	72	16 838	109	25.613	146	34.387	183	43.162	220	51.937		
36	8.300	73	17.075	110	25 850	147	34.625	184	43.399	221	52.174		
37	8.538	74	17.312	111	26.087	148	34.862	185	43.636	222	52 411		

09/27/71
1 INSTALLATION DATE FEB. 24,1967
QUAN FUEL TANK 1 PRI-TOTAL AUX
CAL RANGE 0 TO 50.0000

SC-113

HARDWARE CALIB. NO. 20353 05 00 00
SERIAL NO. STD

=21515



EQUATION COEFFICIENTS

A_0= 0.

A_1= 1.000 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = 0.

20% = 1.000E 01

40% = 2.000E 01

50% = 2.500E 01

60% = 3 000E 01

80% = 4.000E 01

100% = 5 000E 01

MEASUREMENT NO.

200SP0657Q71

MEAS LOADING NO.

1010084 12 20

STANDARD CALIBRATION - TO BE REPLACED LATER

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN FUEL TANK 1 PRI-TOTAL AUX

MEASUREMENT NO. 2003F0657Q71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/24/67

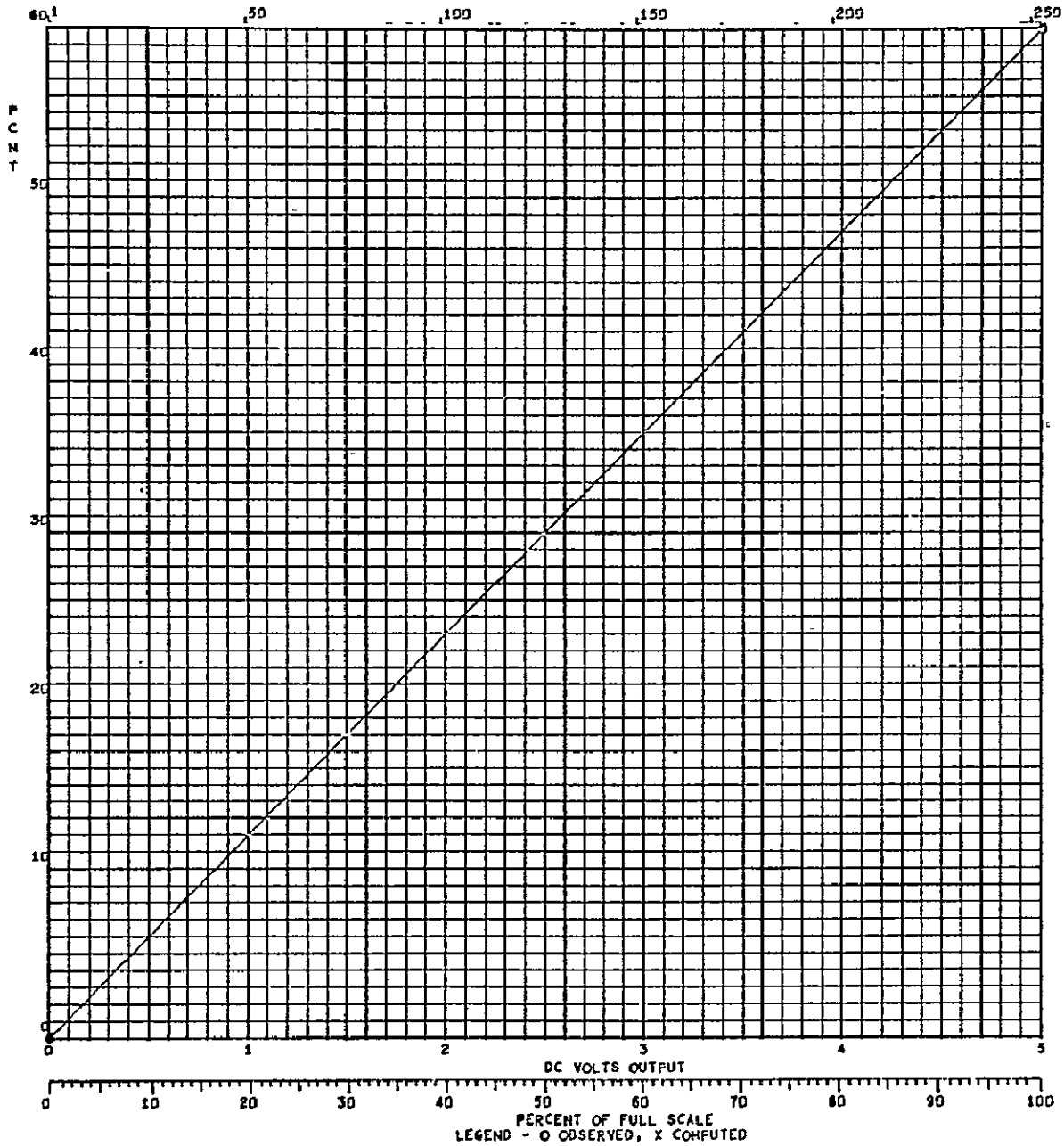
CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	0.	38	7.312	75	14.625	112	21.937	149	29.249	186	36.561	223	43.874
2	0.198	39	7.510	76	14.822	113	22.134	150	29.447	187	36.759	224	44.071
3	0.395	40	7.708	77	15.020	114	22.332	151	29.644	188	36.957	225	44.269
4	0.593	41	7.905	78	15.217	115	22.530	152	29.842	189	37.154	226	44.466
5	0.791	42	8.103	79	15.415	116	22.727	153	30.040	190	37.352	227	44.664
6	0.988	43	8.300	80	15.613	117	22.925	154	30.237	191	37.549	228	44.862
7	1.186	44	8.498	81	15.810	118	23.123	155	30.435	192	37.747	229	45.059
8	1.383	45	8 696	82	16.008	119	23.320	156	30.632	193	37.945	230	45.257
9	1.581	46	8.893	83	16.206	120	23.518	157	30.830	194	38.142	231	45.455
10	1.779	47	9.091	84	16.403	121	23.715	158	31.028	195	38.340	232	45.652
11	1.976	48	9.289	85	16.601	122	23.913	159	31.225	196	38.538	233	45.850
12	2.174	49	9 486	86	16.798	123	24.111	160	31.423	197	38.735	234	46.047
13	2.372	50	9 684	87	16.996	124	24.308	161	31.621	198	38.933	235	46.245
14	2.569	51	9.881	88	17.194	125	24.506	162	31.818	199	39.130	236	46.443
15	2.767	52	10.079	89	17.391	126	24.704	163	32.016	200	39.328	237	46.640
16	2.964	53	10.277	90	17.589	127	24.901	164	32.213	201	39.526	238	46.838
17	3.162	54	10.474	91	17.787	128	25.099	165	32.411	202	39.723	239	47.036
18	3.360	55	10.672	92	17.984	129	25.296	166	32.609	203	39 921	240	47.233
19	3.557	56	10.870	93	18.182	130	25.494	167	32.806	204	40.119	241	47.431
20	3.755	57	11.067	94	18.379	131	25.692	168	33.004	205	40.316	242	47.628
21	3.953	58	11.265	95	18.577	132	25 889	169	33.202	206	40.514	243	47.826
22	4.150	59	11.462	96	18.775	133	26 087	170	33.399	207	40.711	244	48.024
23	4.348	60	11.660	97	18.972	134	26.285	171	33.597	208	40.909	245	48.221
24	4.545	61	11.858	98	19.170	135	26.482	172	33.794	209	41.107	246	48.419
25	4.743	62	12.055	99	19.368	136	26.680	173	33.992	210	41.304	247	48.617
26	4.941	63	12 253	100	19.565	137	26.877	174	34.190	211	41.502	248	48.814
27	5.138	64	12.451	101	19.763	138	27.075	175	34.387	212	41.700	249	49.012
28	5.336	65	12.648	102	19.960	139	27.273	176	34.585	213	41.897	250	49.209
29	5.534	66	12 846	103	20.158	140	27.470	177	34.783	214	42.095	251	49.407
30	5.731	67	13.043	104	20.356	141	27.668	178	34.980	215	42.292	252	49.605
31	5.929	68	13.241	105	20.553	142	27.866	179	35.178	216	42.490	253	49.802
32	6.126	69	13.439	106	20.751	143	28.063	180	35.375	217	42.688	254	50.000
33	6.324	70	13.636	107	20.949	144	28.261	181	35.573	218	42.885		
34	6.522	71	13 834	108	21.146	145	28.458	182	35.771	219	43.083		
35	6.719	72	14.032	109	21.344	146	28.656	183	35.968	220	43.281		
36	6.917	73	14.229	110	21.542	147	28.854	184	36.166	221	43.478		
37	7.115	74	14.427	111	21.739	148	29.051	185	36.364	222	43.676		

09/27/71
1 INSTALLATION DATE FEB. 24,1968
QUAN FUEL TANK 2
CAL RANGE 0 TO 60.0000

SC-113

HARDWARE CALIB. NO. 20355 03 00 00
SERIAL NO. STD

=21515



EQUATION COEFFICIENTS

A_0= 0.

A_1= 1.200 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = 0.

20% = 1.200E 01

40% = 2.400E 01

50% = 3.000E 01

60% = 3.600E 01

80% = 4.800E 01

100% = 6.000E 01

MEASUREMENT NO.

200SP0658071

MEAS LOADING NO.

1911052 12 20

STANDARD CALIBRATION - TO BE REPLACED LATER

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN FUEL TANK 2

MEASUREMENT NO. 200SP0658071
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 02/24/68

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	0.	38	8.775	75	17.549	112	26.324	149	35.099	186	43.874	223	52.648
2	0 237	39	9.012	76	17.787	113	26.561	150	35.336	187	44.111	224	52.885
3	0 474	40	9.249	77	18.024	114	26.798	151	35.573	188	44.348	225	53.123
4	0.711	41	9.486	78	18.261	115	27.036	152	35.810	189	44.585	226	53.360
5	0.949	42	9.723	79	18.498	116	27.273	153	36.047	190	44.822	227	53.597
6	1.186	43	9.960	80	18.735	117	27.510	154	36 285	191	45.059	228	53.834
7	1.423	44	10.198	81	18.972	118	27.747	155	36.522	192	45.296	229	54.071
8	1.660	45	10 435	82	19.209	119	27.984	156	36.759	193	45.534	230	54.308
9	1.897	46	10.672	83	19 447	120	28 221	157	36.996	194	45.771	231	54.545
10	2.134	47	10.909	84	19 684	121	28.458	158	37.233	195	46.008	232	54.783
11	2.372	48	11.146	85	19.921	122	28.696	159	37.470	196	46.245	233	55.020
12	2.609	49	11.383	86	20.158	123	28.933	160	37.708	197	46.482	234	55.257
13	2.846	50	11.621	87	20.395	124	29.170	161	37.945	198	46.719	235	55.494
14	3.083	51	11.858	88	20 632	125	29.407	162	38.182	199	46.957	236	55.731
15	3.320	52	12.095	89	20.870	126	29.644	163	38.419	200	47.194	237	55.968
16	3.557	53	12.332	90	21.107	127	29.881	164	38.656	201	47.431	238	56.206
17	3.794	54	12.569	91	21.344	128	30.119	165	38.893	202	47.668	239	56.443
18	4.032	55	12.806	92	21.581	129	30.356	166	39.130	203	47.905	240	56.680
19	4.269	56	13.043	93	21.818	130	30.593	167	39.368	204	48.142	241	56.917
20	4.506	57	13.281	94	22.055	131	30.830	168	39.605	205	48.379	242	57.154
21	4.743	58	13.518	95	22.292	132	31.067	169	39.842	206	48.617	243	57.391
22	4.980	59	13.755	96	22.530	133	31.304	170	40.079	207	48 854	244	57.628
23	5.217	60	13.992	97	22.767	134	31.541	171	40.316	208	49.091	245	57.866
24	5.455	61	14.229	98	23.004	135	31.779	172	40.553	209	49.328	246	58.103
25	5 692	62	14.466	99	23.241	136	32.016	173	40.791	210	49.565	247	58.340
26	5.929	63	14.704	100	23.478	137	32.253	174	41.028	211	49.802	248	58.577
27	6.166	64	14.941	101	23.715	138	32.490	175	41.265	212	50.040	249	58.814
28	6.403	65	15.178	102	23.953	139	32.727	176	41.502	213	50.277	250	59.051
29	6 640	66	15.415	103	24.190	140	32.964	177	41.739	214	50.514	251	59.289
30	6.877	67	15.652	104	24.427	141	33.202	178	41.976	215	50.751	252	59.526
31	7.115	68	15.889	105	24 664	142	33.439	179	42.213	216	50.988	253	59.763
32	7.352	69	16.126	106	24 901	143	33.676	180	42.451	217	51.225	254	60.000
33	7.589	70	16.364	107	25 138	144	33.913	181	42.688	218	51.462		
34	7.826	71	16.601	108	25.375	145	34.150	182	42 925	219	51.700		
35	8.063	72	16.838	109	25.613	146	34.387	183	43.162	220	51.937		
36	8.300	73	17.075	110	25 850	147	34.625	184	43.399	221	52.174		
37	8.538	74	17.312	111	26.087	148	34.862	185	43.636	222	52.411		

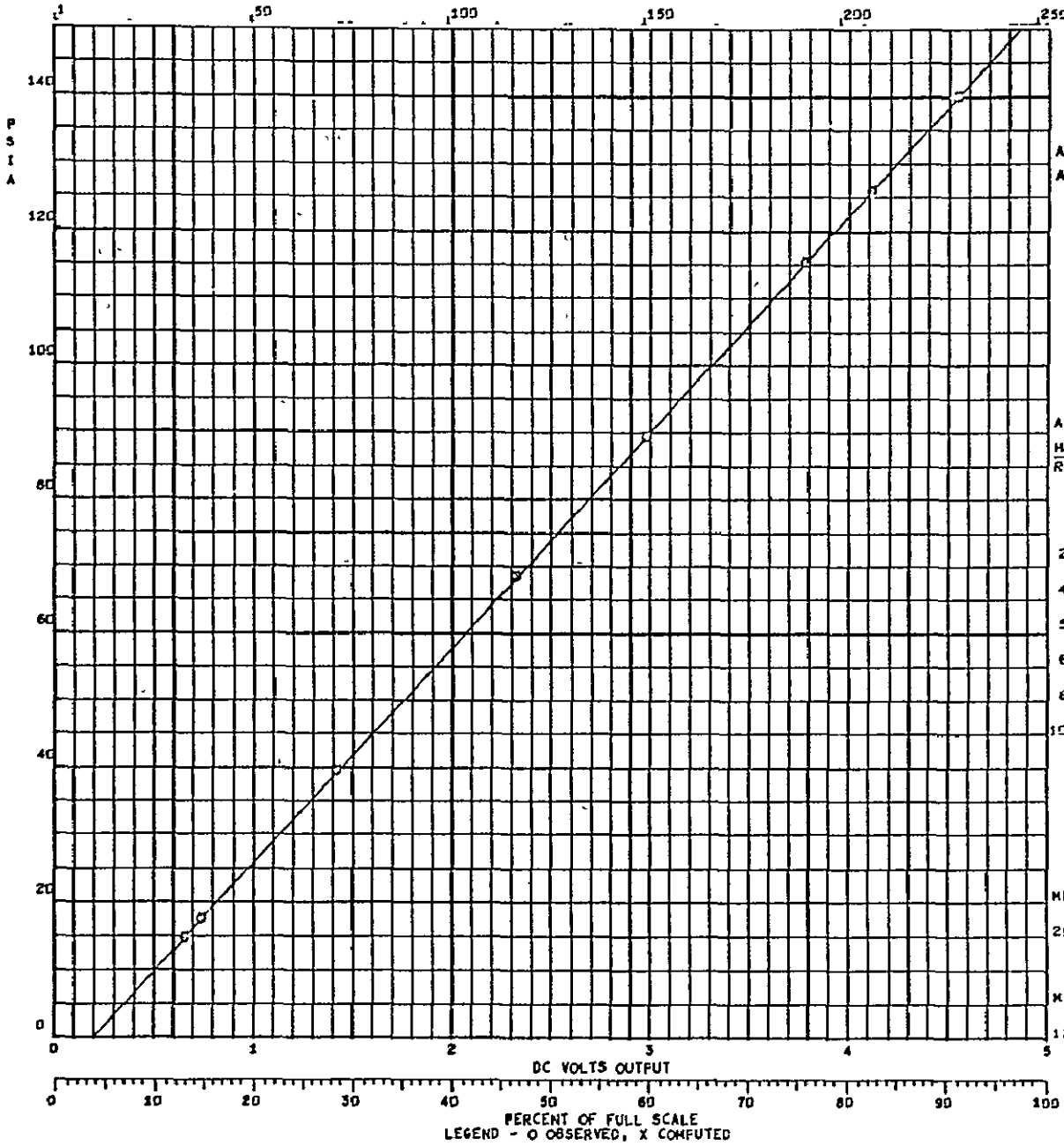
09/27/71
1 INSTALLATION DATE APRIL 12,1961
PRESS ENGINE CHAMBER
CAL RANGE 14.6457 TO 140.074

SC-113

HARDWARE CALIB. NO. 76872 02 00 00

SERIAL NO. 10308603091A

=21515



EQUATION COEFFICIENTS

A_0= -6.171 E 00

A_1= 3.218 E 01

AL DEV= 0

$\frac{HX\ DEV}{RANGE}$ = 0

0% = -6.171E 00

20% = 2.691E 01

40% = 5.820E 01

50% = 7.429E 01

60% = 9 038E 01

80% = 1.226E 02

100% = 1.547E 02

MEASUREMENT NO.

200SP0661P02

MEAS LOADING NO.

1291954 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PRESS ENGINE CHAMBER

MEASUREMENT NO. 200SP0661P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603091A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 04/12/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-6.171	38	17.363	75	40 897	112	64.431	149	87.965	186	111.498	223	135.032
2	-5.534	39	17.999	76	41.533	113	65.067	150	88.601	187	112.134	224	135.668
3	-4.898	40	18.635	77	42.169	114	65.703	151	89 237	188	112.771	225	136.304
4	-4.262	41	19.271	78	42.805	115	66.339	152	89.873	189	113.407	226	136.940
5	-3.626	42	19.907	79	43 441	116	66.975	153	90.509	190	114.043	227	137.576
6	-2.990	43	20.544	80	44.077	117	67.611	154	91.145	191	114.679	228	138.212
7	-2.354	44	21.180	81	44.713	118	68.247	155	91.781	192	115.315	229	138.849
8	-1.718	45	21.816	82	45.349	119	68.883	156	92.417	193	115.951	230	139.485
9	-1.082	46	22.452	83	45.985	120	69.519	157	93.053	194	116.587	231	140.121
10	-0 446	47	23.088	84	46.622	121	70.155	158	93.689	195	117.223	232	140.757
11	0.190	48	23.724	85	47.258	122	70.791	159	94.325	196	117.859	233	141.393
12	0 826	49	24.360	86	47.894	123	71.427	160	94.961	197	118.495	234	142.029
13	1.462	50	24.996	87	48 530	124	72.063	161	95.597	198	119.131	235	142.665
14	2 098	51	25.632	88	49.166	125	72.699	162	96 233	199	119.767	236	143.301
15	2.734	52	26.268	89	49.802	126	73.336	163	96.869	200	120.403	237	143.937
16	3.370	53	26.904	90	50.438	127	73.972	164	97.505	201	121.039	238	144.573
17	4.006	54	27.540	91	51.074	128	74.608	165	98.141	202	121.675	239	145.209
18	4.642	55	28.176	92	51.710	129	75.244	166	98.777	203	122.311	240	145.845
19	5.278	56	28.812	93	52.346	130	75.880	167	99.414	204	122.947	241	146.481
20	5.914	57	29.448	94	52.982	131	76.516	168	100.050	205	123.583	242	147.117
21	6.550	58	30.084	95	53.618	132	77.152	169	100.686	206	124.219	243	147.753
22	7.187	59	30.720	96	54.254	133	77.788	170	101.322	207	124.855	244	148.389
23	7.823	60	31.356	97	54 890	134	78.424	171	101.958	208	125.492	245	149.025
24	8.459	61	31.992	98	55.526	135	79.060	172	102.594	209	126.128	246	149.661
25	9.095	62	32.628	99	56.162	136	79.696	173	103 230	210	126.764	247	150.297
26	9.731	63	33 264	100	56 798	137	80.332	174	103.866	211	127.400	248	150.933
27	10.367	64	33.901	101	57.434	138	80.968	175	104.502	212	128.036	249	151.570
28	11.003	65	34.537	102	58 070	139	81.604	176	105.138	213	128.672	250	152.206
29	11.639	66	35.173	103	58.706	140	82.240	177	105.774	214	129.308	251	152 842
30	12.275	67	35 809	104	59.342	141	82.876	178	106.410	215	129.944	252	153.478
31	12.911	68	36 445	105	59.979	142	83.512	179	107.046	216	130.580	253	154.114
32	13.547	69	37.081	106	60 615	143	84.148	180	107.682	217	131.216	254	154.750
33	14.183	70	37.717	107	61 251	144	84.784	181	108.318	218	131.852		
34	14.819	71	38.353	108	61.887	145	85.420	182	108.954	219	132.488		
35	15.455	72	38 989	109	62.523	146	86 057	183	109.590	220	133.124		
36	16.091	73	39 625	110	63.159	147	86.693	184	110.226	221	133.760		
37	16.727	74	40.261	111	63.795	148	87.329	185	110.862	222	134.396		

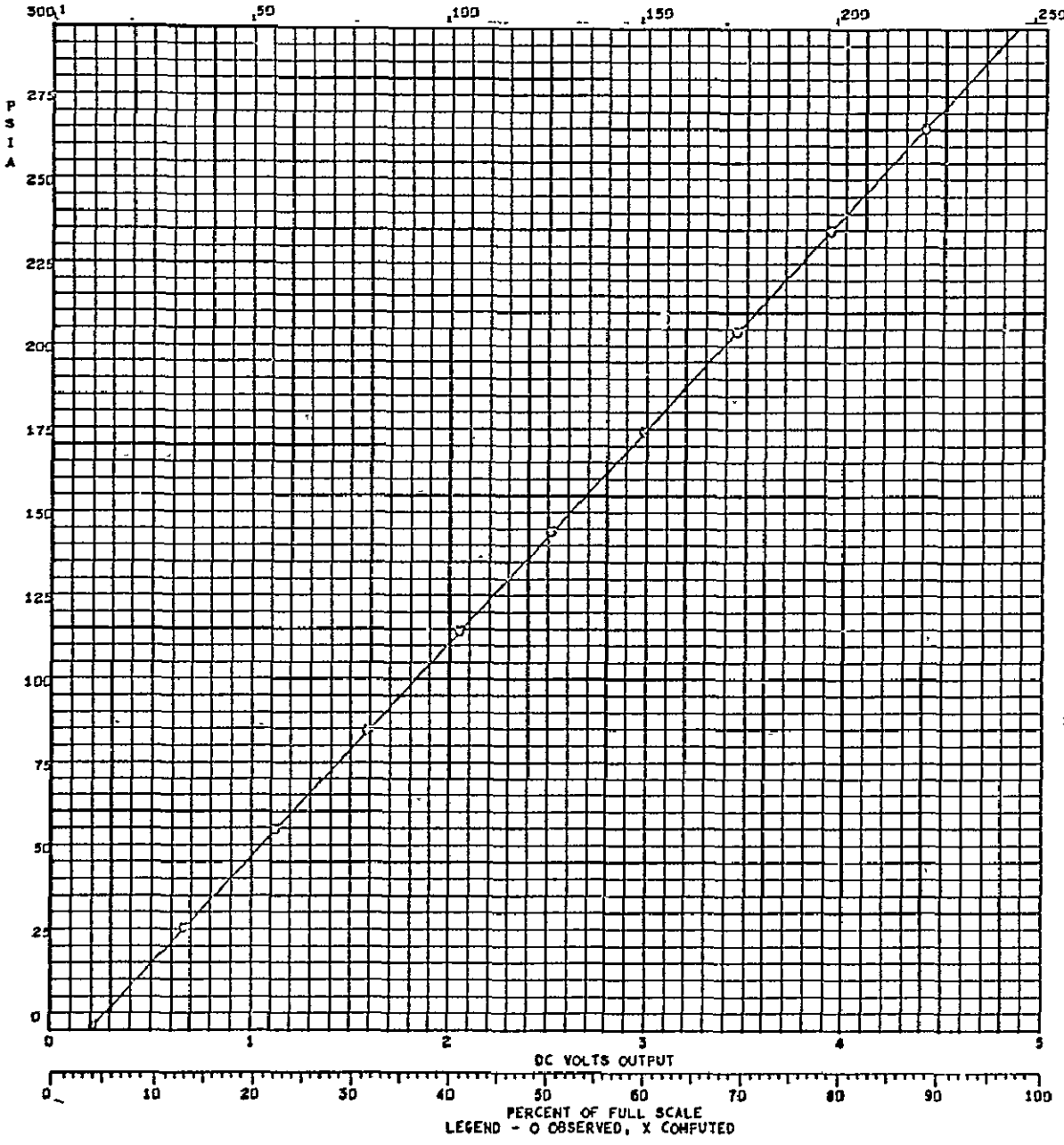
09/27/71
1 INSTALLATION DATE APRIL 7,1969
PRESS FUEL SH/ENG INTERFACE
CAL RANGE 1.23943 TO 301.015

SC-113

HARDWARE CALIB. NO.
76463 02
00
00

SERIAL NO.
100950821541

=21515



EQUATION COEFFICIENTS

A_0= -1.219 E 01
A_1= 6.425 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% =-1 219E 01
20% = 5.206E 01
40% = 1.163E 02
50% = 1.484E 02
60% = 1 806E 02
80% = 2.448E 02
100% = 3.090E 02

MEASUREMENT NO.
200SF0930F01

MEAS LOADING NO.
1105027 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

PRESS FUEL SH/ENG INTERFACE

MEASUREMENT NO. 200SP0930F01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1009508215AW
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/07/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-12.188	38	34.791	75	81.770	112	128.749	149	175.727	186	222.706	223	269.685
2	-10.918	39	36 060	76	83.039	113	130.018	150	176.997	187	223 976	224	270.955
3	-9.649	40	37.330	77	84.309	114	131.288	151	178.267	188	225.246	225	272.225
4	-8.379	41	38.600	78	85.579	115	132.558	152	179.537	189	226.515	226	273.494
5	-7.109	42	39.870	79	86 848	116	133.827	153	180.806	190	227.785	227	274.764
6	-5.840	43	41.139	80	88.118	117	135.097	154	182.076	191	229.055	228	276.034
7	-4.570	44	42.409	81	89.388	118	136.367	155	183.346	192	230.324	229	277.303
8	-3.300	45	43.679	82	90.658	119	137.636	156	184.615	193	231.594	230	278.573
9	-2.031	46	44.948	83	91.927	120	138.906	157	185.885	194	232 864	231	279.843
10	-0.761	47	46 218	84	93.197	121	140.176	158	187.155	195	234.134	232	281.113
11	0.509	48	47.488	85	94.467	122	141.446	159	188.424	196	235.403	233	282.382
12	1.779	49	48.757	86	95.736	123	142.715	160	189.694	197	236.673	234	283.652
13	3.048	50	50.027	87	97.006	124	143.985	161	190.964	198	237.943	235	284.922
14	4.318	51	51.297	88	98.276	125	145.255	162	192.233	199	239 212	236	286.191
15	5.588	52	52.567	89	99.545	126	146.524	163	193.503	200	240.482	237	287.461
16	6.857	53	53.836	90	100.815	127	147.794	164	194.773	201	241.752	238	288.731
17	8.127	54	55 106	91	102.085	128	149.064	165	196.043	202	243.021	239	290.000
18	9.397	55	56.376	92	103.355	129	150.333	166	197.312	203	244.291	240	291.270
19	10.666	56	57.645	93	104.624	130	151.603	167	198.582	204	245.561	241	292.540
20	11.936	57	58.915	94	105.894	131	152.873	168	199.852	205	246 831	242	293.810
21	13.206	58	60.185	95	107.164	132	154.143	169	201.121	206	248.100	243	295.079
22	14.476	59	61.454	96	108.433	133	155.412	170	202.391	207	249.370	244	296.349
23	15.745	60	62.724	97	109 703	134	156.682	171	203.661	208	250.640	245	297.619
24	17.015	61	63.994	98	110.973	135	157.952	172	204.930	209	251 909	246	298.888
25	18.285	62	65.264	99	112.242	136	159.221	173	206.200	210	253.179	247	300.158
26	19.554	63	66 533	100	113.512	137	160.491	174	207.470	211	254.449	248	301.428
27	20.824	64	67.803	101	114.782	138	161.761	175	208.740	212	255.718	249	302.697
28	22.094	65	69.073	102	116 052	139	163.030	176	210.009	213	256.988	250	303.967
29	23.363	66	70.342	103	117.321	140	164.300	177	211.279	214	258.258	251	305.237
30	24.633	67	71.612	104	118.591	141	165.570	178	212.549	215	259.528	252	306.507
31	25.903	68	72.882	105	119.861	142	166.840	179	213.818	216	260.797	253	307.776
32	27.173	69	74.151	106	121.130	143	168.109	180	215 088	217	262.067	254	309.046
33	28.442	70	75 421	107	122.400	144	169.379	181	216.358	218	263 337		
34	29.712	71	76.691	108	123.670	145	170.649	182	217.627	219	264.606		
35	30.982	72	77.961	109	124.939	146	171.918	183	218.897	220	265.876		
36	32.251	73	79.230	110	126.209	147	173.188	184	220.167	221	267.146		
37	33.521	74	80.500	111	127.479	148	174.458	185	221.437	222	268.416		

09/27/71

1 INSTALLATION DATE APRIL 7,1969

PRESS OX SM/ENG INTERFACE

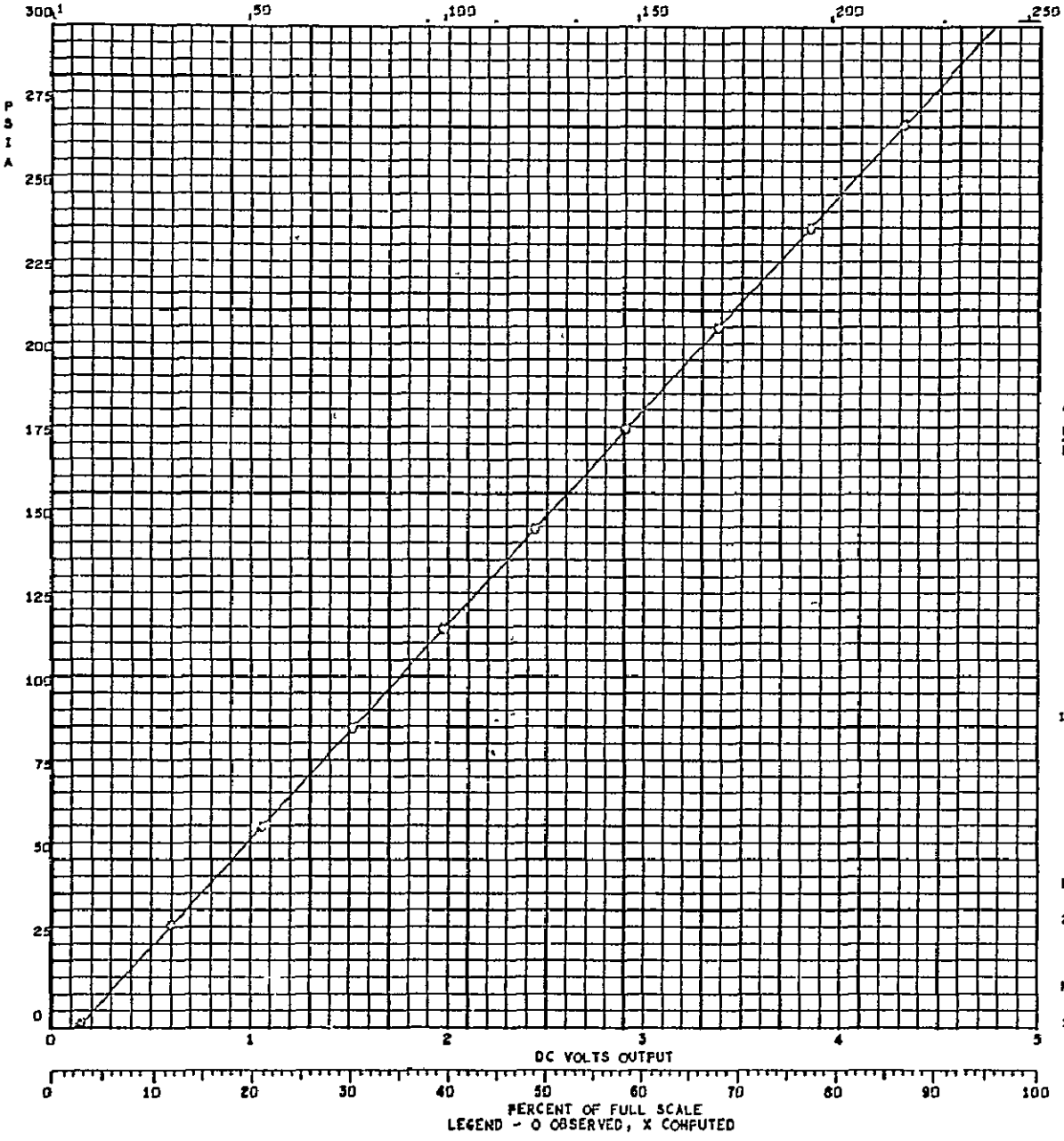
CAL RANGE 1.11014 TO 300.898

SC-113

HARDWARE CALIB. NO. 76595 02 00 00

SERIAL NO. 10308603113A

=21515



EQUATION COEFFICIENTS

A_0= -8.323 E 00

A_1= 6.461 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -8.323E 00

20% = 5.629E 01

40% = 1.209E 02

50% = 1.532E 02

60% = 1.855E 02

80% = 2.501E 02

100% = 3.147E 02

MEASUREMENT NO.

290SP0931P01

MEAS LOADING NO.

1105059 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS OX SW/ENG INTERFACE

MEASUREMENT NO. 200SP0931P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 19308603113A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/07/69

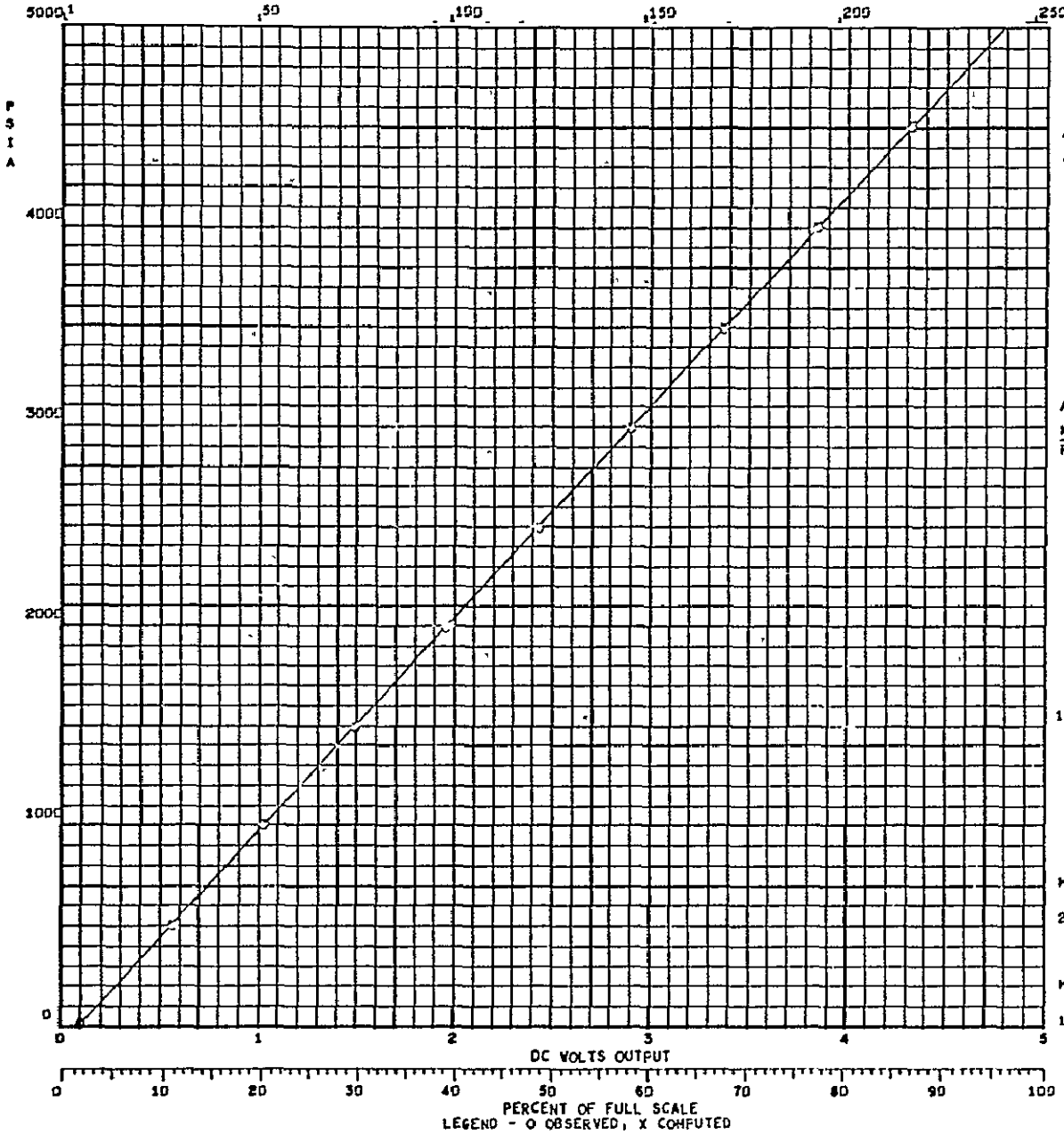
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-8.323	38	38 921	75	86.165	112	133.410	149	180 654	186	227.898	223	275.142
2	-7.046	39	40 198	76	87.442	113	134.686	150	181.931	187	229.175	224	276.419
3	-5.769	40	41.475	77	88.719	114	135.963	151	183.207	188	230 452	225	277.696
4	-4.492	41	42.752	78	89.996	115	137.240	152	184.484	189	231.729	226	278.973
5	-3 215	42	44.029	79	91 273	116	138.517	153	185.761	190	233.005	227	280.250
6	-1.939	43	45.306	80	92.550	117	139.794	154	187.038	191	234.282	228	281.526
7	-0.662	44	46:583	81	93 827	118	141.071	155	188.315	192	235.559	229	282.803
8	0.615	45	47.859	82	95.104	119	142.348	156	189.592	193	236.836	230	284.080
9	1.892	46	49.136	83	96.380	120	143.625	157	190.869	194	238.113	231	285.357
10	3.169	47	50.413	84	97.657	121	144.901	158	192.146	195	239.390	232	286.634
11	4.446	48	51.690	85	98.934	122	146.178	159	193.422	196	240.667	233	287.911
12	5.723	49	52.967	86	100 211	123	147.455	160	194 699	197	241.943	234	289.188
13	7.000	50	54 244	87	101 488	124	148 732	161	195.976	198	243.220	235	290.465
14	8.276	51	55.521	88	102 765	125	150 009	162	197.253	199	244 497	236	291.741
15	9.553	52	56 797	89	104.042	126	151.286	163	198.530	200	245.774	237	293.018
16	10.830	53	58 074	90	105.318	127	152.563	164	199.807	201	247.051	238	294.295
17	12.107	54	59.351	91	106.595	128	153.840	165	201.084	202	248.328	239	295.572
18	13.384	55	60 628	92	107.872	129	155.116	166	202.361	203	249.605	240	296.849
19	14.661	56	61.905	93	109.149	130	156.393	167	203.637	204	250.882	241	298.126
20	15.938	57	63.182	94	110.426	131	157.670	168	204.914	205	252.158	242	299.403
21	17.215	58	64.459	95	111.703	132	158.947	169	206.191	206	253.435	243	300.680
22	18.491	59	65.736	96	112.980	133	160.224	170	207.468	207	254.712	244	301.956
23	19.768	60	67.012	97	114 257	134	161 501	171	208.745	208	255.989	245	303 233
24	21.045	61	68.289	98	115.533	135	162.778	172	210 022	209	257 266	246	304.510
25	22.322	62	69.566	99	116.810	136	164.054	173	211.299	210	258.543	247	305 787
26	23.599	63	70.843	100	118 087	137	165.331	174	212.575	211	259.820	248	307.064
27	24.876	64	72.120	101	119.364	138	166.608	175	213.852	212	261 097	249	308.341
28	26.153	65	73.397	102	120.641	139	167.885	176	215.129	213	262.373	250	309.618
29	27.429	66	74.674	103	121.918	140	169.162	177	216.406	214	263 650	251	310.894
30	28.706	67	75.950	104	123.195	141	170.439	178	217.683	215	264.927	252	312.171
31	29.983	68	77.227	105	124 472	142	171.716	179	218.960	216	266.204	253	313.448
32	31.260	69	78.504	106	125.748	143	172.993	180	220 237	217	267.481	254	314.725
33	32.537	70	79.781	107	127.025	144	174.269	181	221.514	218	268.758		
34	33.814	71	81 058	108	128.302	145	175.546	182	222.790	219	270.035		
35	35 091	72	82.335	109	129 579	146	176.823	183	224 067	220	271.311		
36	36.368	73	83 612	110	130.856	147	178.100	184	225.344	221	272.588		
37	37.644	74	84.889	111	132.133	148	179.377	185	226 621	222	273.865		

09/27/71
1 INSTALLATION DATE MARCH 21,1969
HE PRESS TANK A
CAL RANGE 9.69071 TO 5000.58

SC-113

HARDWARE CALIB. NO. 57099 04 00 00
SERIAL NO. 10095402547A

=21515



EQUATION COEFFICIENTS

A_0= -9.120 E 01
A_1= 1.064 E 03

AL DEV= 0
MX DEV / RANGE = 0

0% = -9.120E 01
20% = 9.739E 02
40% = 2 037E 03
50% = 2.569E 03
60% = 3.101E 03
80% = 4.166E 03
100% = 5 230E 03

MEASUREMENT NO.
200SR5001F01

MEAS LOADING NO.
1538116 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE PRESS TANK A

MEASUREMENT NO. 200SR5901P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095402547A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

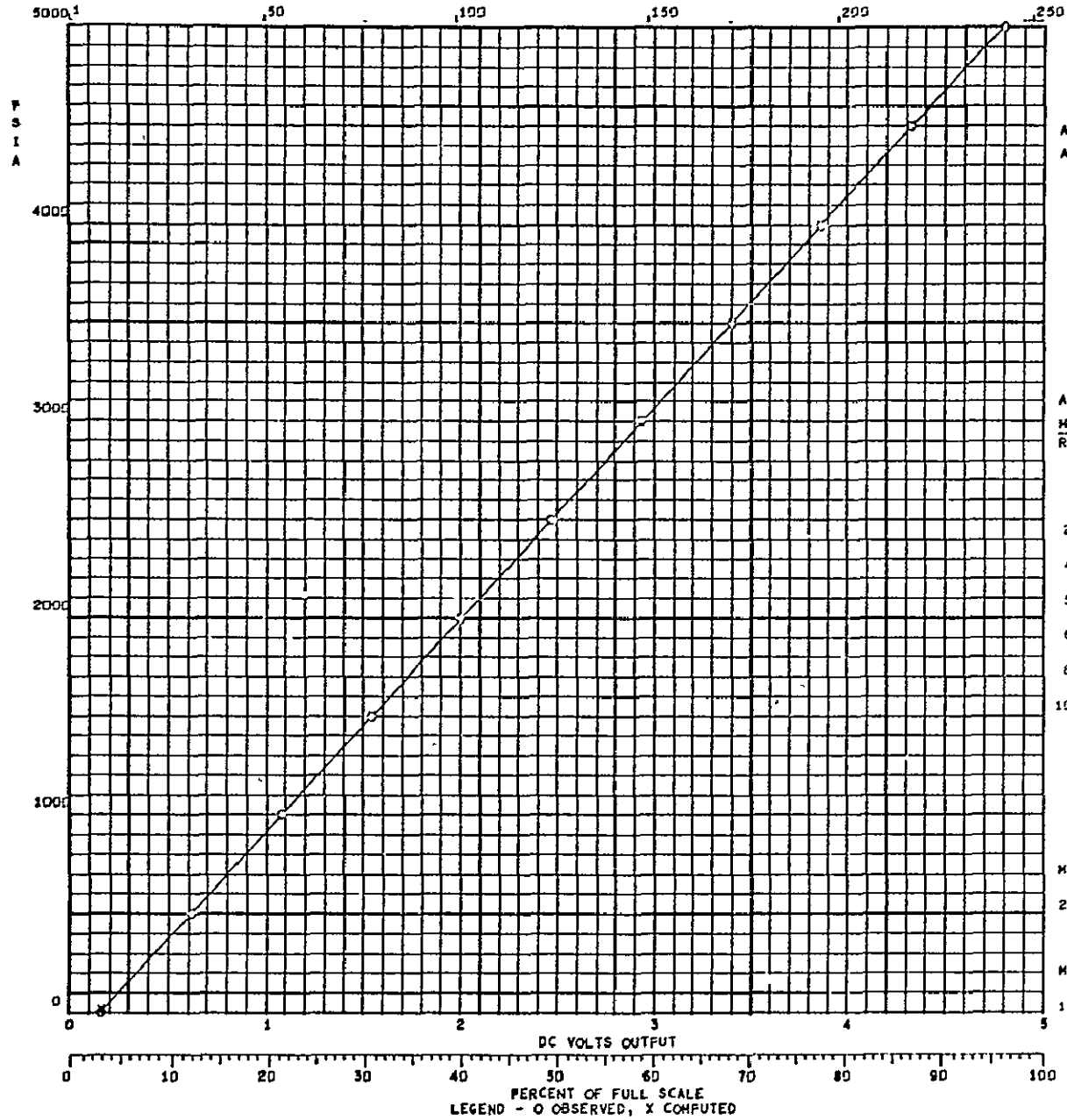
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-91 203	38	686.988	75	1465.178	112	2243.369	149	3021.559	186	3799.750	223	4577 941
2	-70.171	39	708 920	76	1486.210	113	2264.401	150	3042.592	187	3820.782	224	4598.973
3	-49.139	40	729 052	77	1507.243	114	2285.433	151	3063.624	188	3841.814	225	4620.005
4	-28.106	41	750.084	78	1528 275	115	2306.465	152	3084.656	189	3862 846	226	4641.038
5	-7.074	42	771.116	79	1549.307	116	2327.498	153	3105 688	190	3883.879	227	4662 070
6	13.958	43	792.149	80	1570.339	117	2348.530	154	3126.720	191	3904.911	228	4683.102
7	34.990	44	813.181	81	1591.371	118	2369.562	155	3147.752	192	3925.943	229	4704.134
8	56 022	45	834.213	82	1612.404	119	2390.594	156	3168.785	193	3946.975	230	4725.167
9	77.055	46	855.245	83	1633.436	120	2411.626	157	3189.817	194	3968.007	231	4746.199
10	98 087	47	876.277	84	1654.468	121	2432.658	158	3210.849	195	3989.040	232	4767.231
11	119.119	48	897.309	85	1675.500	122	2453 691	159	3231.881	196	4010.072	233	4788.263
12	140.151	49	918.342	86	1696.532	123	2474.723	160	3252.913	197	4031.104	234	4809.295
13	161.183	50	939.374	87	1717.564	124	2495.755	161	3273.946	198	4052.136	235	4830.328
14	182.215	51	960.406	88	1738.597	125	2516.787	162	3294 978	199	4073.168	236	4851 360
15	203 248	52	981.438	89	1759 629	126	2537.819	163	3316.010	200	4094.200	237	4872.392
16	224.280	53	1002.470	90	1780 661	127	2558.852	164	3337.042	201	4115 233	238	4893.424
17	245.312	54	1023.503	91	1801.693	128	2579.884	165	3358.074	202	4136.265	239	4914.456
18	266.344	55	1044.535	92	1822.725	129	2600.916	166	3379.106	203	4157.297	240	4935.489
19	287.376	56	1065.567	93	1843.757	130	2621.948	167	3400.139	204	4178 329	241	4956.521
20	308.408	57	1086.599	94	1864.790	131	2642.980	168	3421.171	205	4199 361	242	4977.553
21	329.441	58	1107.631	95	1885 822	132	2664 012	169	3442.203	206	4220 394	243	4998.585
22	350 473	59	1128.663	96	1906.854	133	2685.045	170	3463.235	207	4241.426	244	5019.617
23	371.505	60	1149.696	97	1927 886	134	2706 077	171	3484.267	208	4262.458	245	5040 650
24	392.537	61	1170.728	98	1948.918	135	2727.109	172	3505.299	209	4283.490	246	5061.682
25	413.569	62	1191.760	99	1969.951	136	2748 141	173	3526.332	210	4304 522	247	5082.714
26	434.602	63	1212 792	100	1990.983	137	2769.173	174	3547.364	211	4325.555	248	5103.746
27	455.634	64	1233 824	101	2012.015	138	2790 205	175	3568.396	212	4346 587	249	5124.779
28	476 666	65	1254 856	102	2033 047	139	2811 238	176	3589 428	213	4367.619	250	5145 811
29	497 698	66	1275.889	103	2054.079	140	2832.270	177	3610.460	214	4388 651	251	5166.843
30	518.730	67	1296.921	104	2075.111	141	2853.302	178	3631 493	215	4409.683	252	5187.875
31	539.762	68	1317.953	105	2096.144	142	2874.334	179	3652.525	216	4430.716	253	5208.907
32	560 795	69	1338.985	106	2117.176	143	2895 366	180	3673.557	217	4451.748	254	5229 940
33	581 827	70	1360.017	107	2138.208	144	2916.398	181	3694.589	218	4472.780		
34	602 859	71	1381.050	108	2159.240	145	2937 431	182	3715.621	219	4493.812		
35	623.891	72	1402.082	109	2180 272	146	2958 463	183	3736.653	220	4514.844		
36	644.923	73	1423.114	110	2201.304	147	2979 495	184	3757.686	221	4535 877		
37	665.956	74	1444.146	111	2222 337	148	3000.527	185	3778.718	222	4556.909		

09/27/71
1 INSTALLATION DATE JULY 8,1961
HE PRESS TANK B
CAL RANGE 0 TO 5000.00

SC-113

HARDWARE CALIB. NO. 75035 03 00 00
SERIAL NO. 10095442924A

=21515



EQUATION COEFFICIENTS

A_0= -1.597 E 02
A_1= 1.077 E 03

AL DEV= 5.1478
$\frac{\text{MX DEV}}{\text{RANGE}}$ = .00102

0% = -1.597E 02
20% = 9.177E 02
40% = 1.995E 03
50% = 2 534E 03
60% = 3.073E 03
80% = 4 150E 03
100% = 5.227E 03

MEASUREMENT NO
200SR5002P02

MEAS LOADING NO
1009116 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE PRESS TANK B

MEASUREMENT NO. 200SR5002P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442924A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

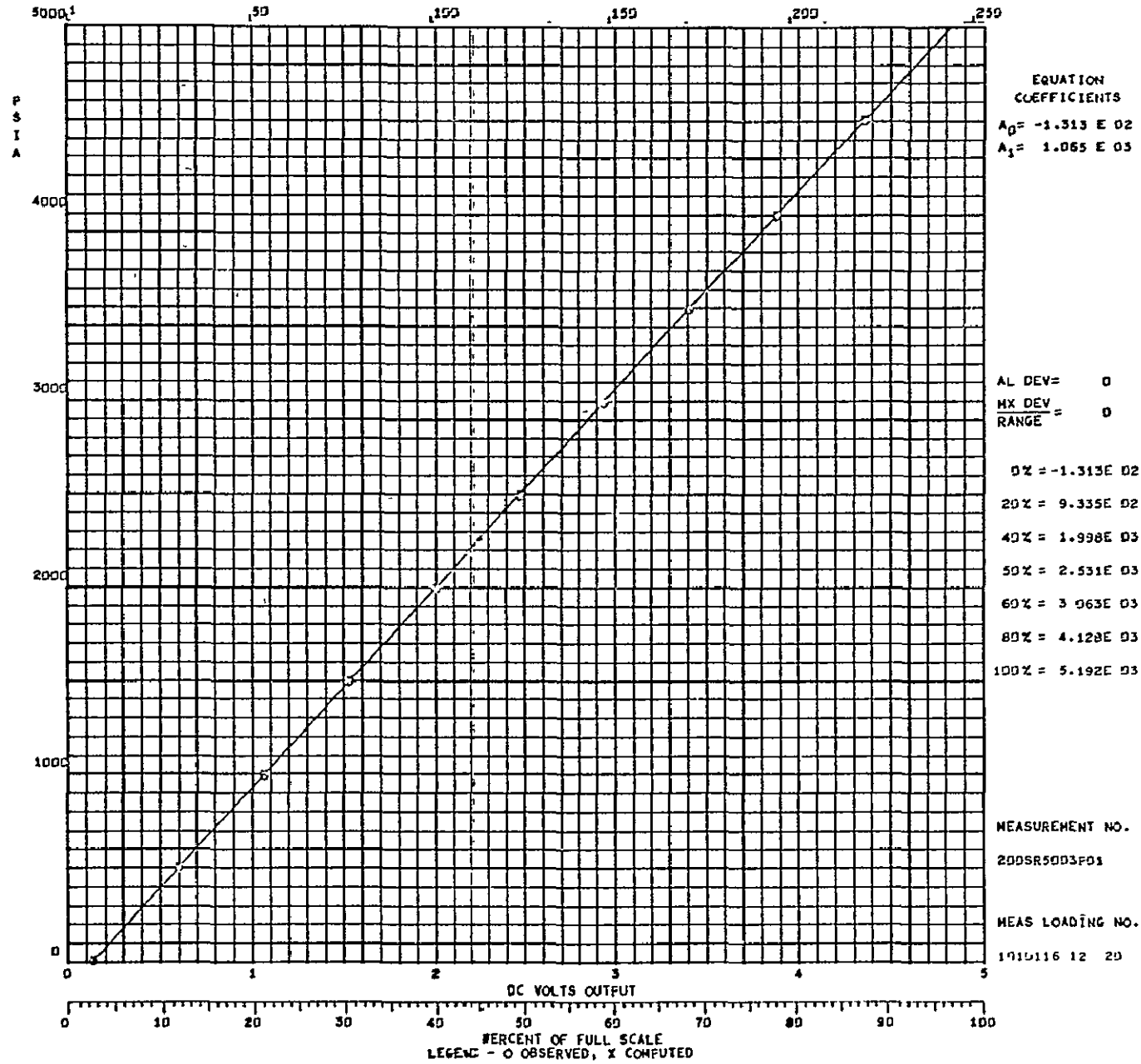
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-159.680	38	628.162	75	1416.005	112	2203.848	149	2991.690	186	3779.533	223	4567.376
2	-138.387	39	649.456	76	1437.298	113	2225.141	150	3012.983	187	3800.826	224	4588.669
3	-117.094	40	670.749	77	1458.591	114	2246.434	151	3034.276	188	3822.119	225	4609.962
4	-95.801	41	692.042	78	1479 884	115	2267.727	152	3055.569	189	3843.412	226	4631.255
5	-74.508	42	713.335	79	1501.177	116	2289.020	153	3076.862	190	3864.705	227	4652.548
6	-53 215	43	734.628	80	1522.470	117	2310.313	154	3098.155	191	3885.998	228	4673.841
7	-31.922	44	755.921	81	1543.763	118	2331.606	155	3119.448	192	3907.291	229	4695.134
8	-10.629	45	777.214	82	1565.056	119	2352.899	156	3140.742	193	3928:584	230	4716.428
9	10.664	46	798.507	83	1586.349	120	2374.192	157	3162.035	194	3949.877	231	4737.721
10	31.957	47	819.800	84	1607.642	121	2395.485	158	3183.328	195	3971.170	232	4759.014
11	53 250	48	841.093	85	1628.935	122	2416.778	159	3204.621	196	3992.463	233	4780.307
12	74.543	49	862.386	86	1650.229	123	2438 071	160	3225.914	197	4013:756	234	4801.600
13	95 836	50	883.679	87	1671.522	124	2459.364	161	3247.207	198	4035.049	235	4822.893
14	117.129	51	904.972	88	1692.815	125	2480.657	162	3268.500	199	4056.342	236	4844.186
15	138.422	52	926 265	89	1714.108	126	2501.950	163	3289.793	200	4077.635	237	4865:479
16	159.715	53	947.558	90	1735.401	127	2523.243	164	3311.086	201	4098.928	238	4886.772
17	181.009	54	968 851	91	1756 694	128	2544.536	165	3332.379	202	4120 221	239	4908.065
18	202.302	55	990.144	92	1777.987	129	2565.829	166	3353.672	203	4141.515	240	4929.358
19	223.595	56	1011.437	93	1799.280	130	2587.122	167	3374.965	204	4162.808	241	4950.651
20	244.888	57	1032.730	94	1820.573	131	2608.415	168	3396.258	205	4184.101	242	4971.944
21	266.181	58	1054.023	95	1841.866	132	2629.708	169	3417.551	206	4205.394	243	4993.237
22	287.474	59	1075.316	96	1863.159	133	2651.002	170	3438.844	207	4226.687	244	5014.531
23	308.767	60	1096.609	97	1884.452	134	2672 295	171	3460.137	208	4247.980	245	5035.824
24	330 060	61	1117.902	98	1905.745	135	2693.588	172	3481.430	209	4269.273	246	5057.117
25	351.353	62	1139.195	99	1927.038	136	2714 881	173	3502.723	210	4290.566	247	5078.410
26	372.646	63	1160 489	100	1948.331	137	2736.174	174	3524.016	211	4311.859	248	5099 703
27	393.939	64	1181.782	101	1969.624	138	2757.467	175	3545.309	212	4333.152	249	5120.996
28	415.232	65	1203 075	102	1990.917	139	2778.760	176	3566.602	213	4354.445	250	5142.289
29	436.525	66	1224.368	103	2012.210	140	2800.053	177	3587.895	214	4375.738	251	5163.582
30	457.818	67	1245.661	104	2033.503	141	2821 346	178	3609.188	215	4397.031	252	5184 875
31	479.111	68	1266.954	105	2054.796	142	2842.639	179	3630.482	216	4418.324	253	5206.168
32	500 404	69	1288.247	106	2076.089	143	2863.932	180	3651.775	217	4439.618	254	5227.461
33	521.697	70	1309.540	107	2097.382	144	2885.225	181	3673.068	218	4460.911		
34	542.990	71	1330 833	108	2118 675	145	2906 518	182	3694.361	219	4482 204		
35	564.283	72	1352.126	109	2139.969	146	2927.811	183	3715.654	220	4503.497		
36	585.576	73	1373.419	110	2161 262	147	2949.104	184	3736.947	221	4524.790		
37	606.869	74	1394.712	111	2182.555	148	2970:397	185	3758.240	222	4546.083		

09/27/71
1 INSTALLATION DATE MARCH 17,1969
HE PRESS TANK C
CAL RANGE 0.19914 TO 5006.12

SC-113

HARDWARE CALIB. NO. 57999 02 00 00
SERIAL NO. 10095442931A

=21515



EQUATION COEFFICIENTS

A_0= -1.313 E 02
A_1= 1.065 E 03

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.313E 02
20% = 9.335E 02
40% = 1.998E 03
50% = 2.531E 03
60% = 3 063E 03
80% = 4.128E 03
100% = 5.192E 03

MEASUREMENT NO.
200SR5003P01

MEAS LOADING NO.
1910116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE PRESS TANK C

MEASUREMENT NO. 200SR5003P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1009544293 1A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

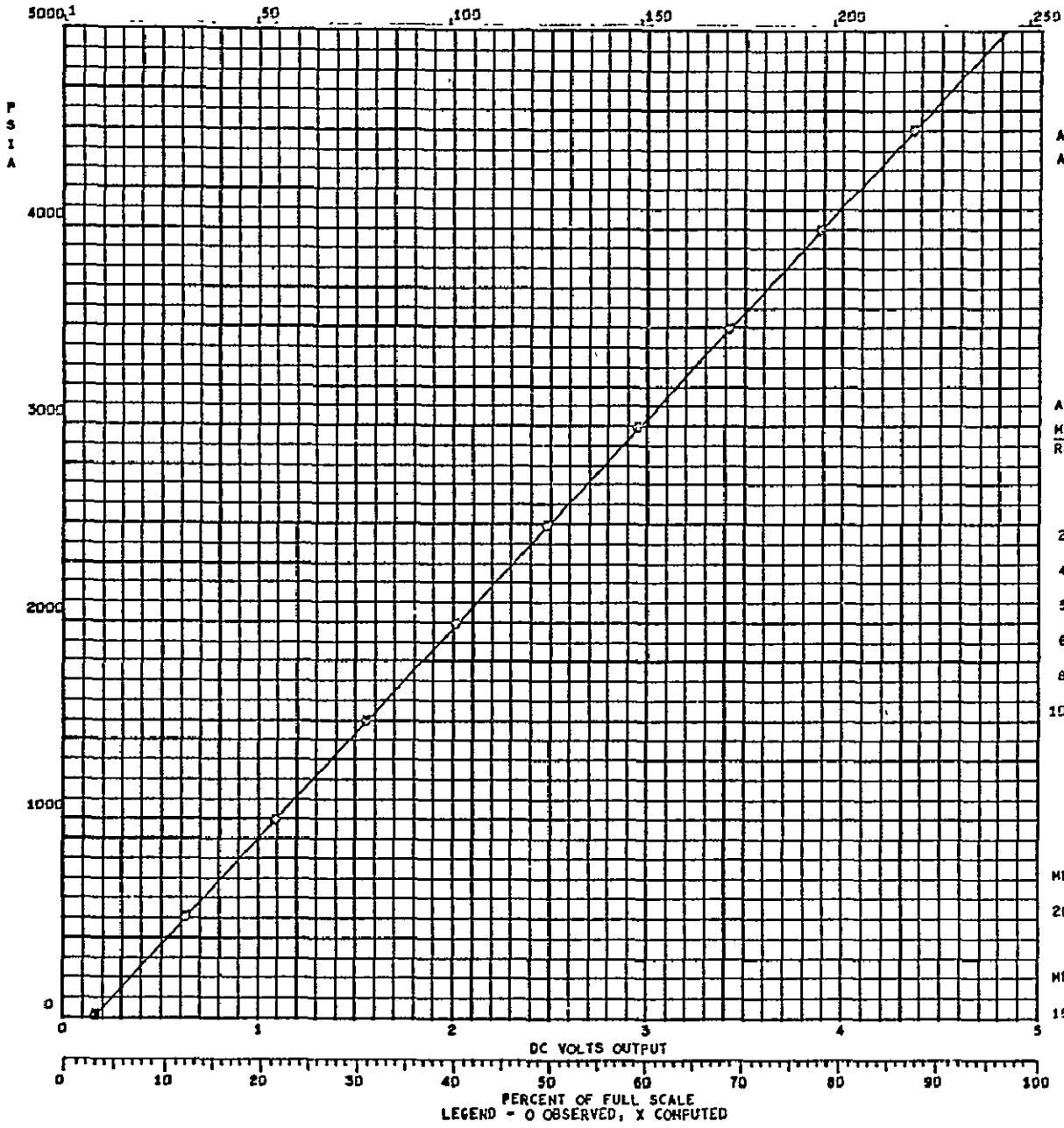
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-131.283	38	647.286	75	1425.859	112	2204.429	149	2983.000	186	3761.570	223	4540.142
2	-110.249	39	668.330	76	1446 901	113	2225.472	150	3004.042	187	3782.613	224	4561.184
3	-89.198	40	689.373	77	1467.943	114	2246.514	151	3025.085	188	3803.655	225	4582.227
4	-68.155	41	710.415	78	1488.986	115	2267.557	152	3046.127	189	3824.698	226	4603.269
5	-47.113	42	731.458	79	1510.028	116	2288.599	153	3067.170	190	3845.740	227	4624.312
6	-26.071	43	752.500	80	1531.071	117	2309.641	154	3088 212	191	3866.783	228	4645.354
7	-5.028	44	773.543	81	1552.113	118	2330.684	155	3109.254	192	3887 825	229	4666.397
8	16.014	45	794.585	82	1573.156	119	2351.726	156	3130.297	193	3908 868	230	4687.439
9	37.057	46	815 627	83	1594.198	120	2372.769	157	3151.339	194	3929.910	231	4708.482
10	58 099	47	836.670	84	1615.241	121	2393.811	158	3172.382	195	3950.952	232	4729.524
11	79.142	48	857.712	85	1636.283	122	2414 854	159	3193.424	196	3971.995	233	4750.566
12	100.184	49	878.755	86	1657.325	123	2435.896	160	3214.467	197	3993.037	234	4771.609
13	121.227	50	899 797	87	1678 368	124	2456 939	161	3235.509	198	4014.080	235	4792.651
14	142.269	51	920.840	88	1699.410	125	2477.981	162	3256.552	199	4035.122	236	4813.694
15	163.312	52	941.882	89	1720 453	126	2499.023	163	3277.594	200	4056.165	237	4834.736
16	184.354	53	962.925	90	1741.495	127	2520.066	164	3298.637	201	4077.207	238	4855.779
17	205.396	54	983.967	91	1762.538	128	2541.108	165	3319.679	202	4098.250	239	4876.821
18	226.439	55	1005.010	92	1783.580	129	2562.151	166	3340.721	203	4119.292	240	4897.864
19	247.481	56	1026.052	93	1804.623	130	2583.193	167	3361.764	204	4140.334	241	4918.906
20	268.524	57	1047.094	94	1825.665	131	2604.236	168	3382.806	205	4161.377	242	4939.949
21	289.566	58	1068.137	95	1846.708	132	2625.278	169	3403.849	206	4182 419	243	4960.991
22	310 609	59	1089.179	96	1867.750	133	2646.321	170	3424 891	207	4203.462	244	4982.034
23	331.651	60	1110.222	97	1888.792	134	2667.363	171	3445.934	208	4224 504	245	5003.076
24	352.694	61	1131 264	98	1909 835	135	2688 405	172	3466.976	209	4245.547	246	5024.119
25	373.736	62	1152.307	99	1930.877	136	2709.448	173	3488.019	210	4266.589	247	5045.161
26	394.778	63	1173.349	100	1951.920	137	2730 490	174	3509.061	211	4287.632	248	5066.204
27	415.821	64	1194.392	101	1972 962	138	2751.533	175	3530.103	212	4308.674	249	5087.246
28	436 863	65	1215.434	102	1994.005	139	2772.575	176	3551.146	213	4329.717	250	5108.289
29	457.906	66	1236 476	103	2015 047	140	2793 618	177	3572.188	214	4350.759	251	5129.331
30	478.948	67	1257.519	104	2036.090	141	2814.660	178	3593.231	215	4371.802	252	5150.374
31	499.991	68	1278.561	105	2057.132	142	2835.703	179	3614 273	216	4392.844	253	5171.416
32	521.033	69	1299.604	106	2078.174	143	2856.745	180	3635.316	217	4413.887	254	5192.459
33	542.076	70	1320.646	107	2099 217	144	2877 788	181	3656 358	218	4434.929		
34	563.118	71	1341.689	108	2120.259	145	2898.830	182	3677.401	219	4455.972		
35	584.161	72	1362.731	109	2141.302	146	2919.872	183	3698 443	220	4477.014		
36	605.203	73	1383.774	110	2162.344	147	2940.915	184	3719 486	221	4498.057		
37	626.245	74	1404.816	111	2183 387	148	2961.957	185	3740.528	222	4519 099		

09/27/71
1 INSTALLATION DATE MARCH 28,1969
ME PRESS TANK D
CAL RANGE 10.9047 TO 5010.62

SC-113

HARDWARE CALIB. NO. 77067 01 00 00
SERIAL NO. 10308603274A

=21515



EQUATION COEFFICIENTS

A_0= -1.649 E 02
A_1= 1.072 E 03

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.649E 02
20% = 9.069E 02
40% = 1.979E 03
50% = 2.515E 03
60% = 3.059E 03
80% = 4.122E 03
100% = 5.194E 03

MEASUREMENT NO.
20DSR5004P01

MEAS LOADING NO.
1011116 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE PRESS TANK D

MEASUREMENT NO. 200SR5004F01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603274A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/28/69

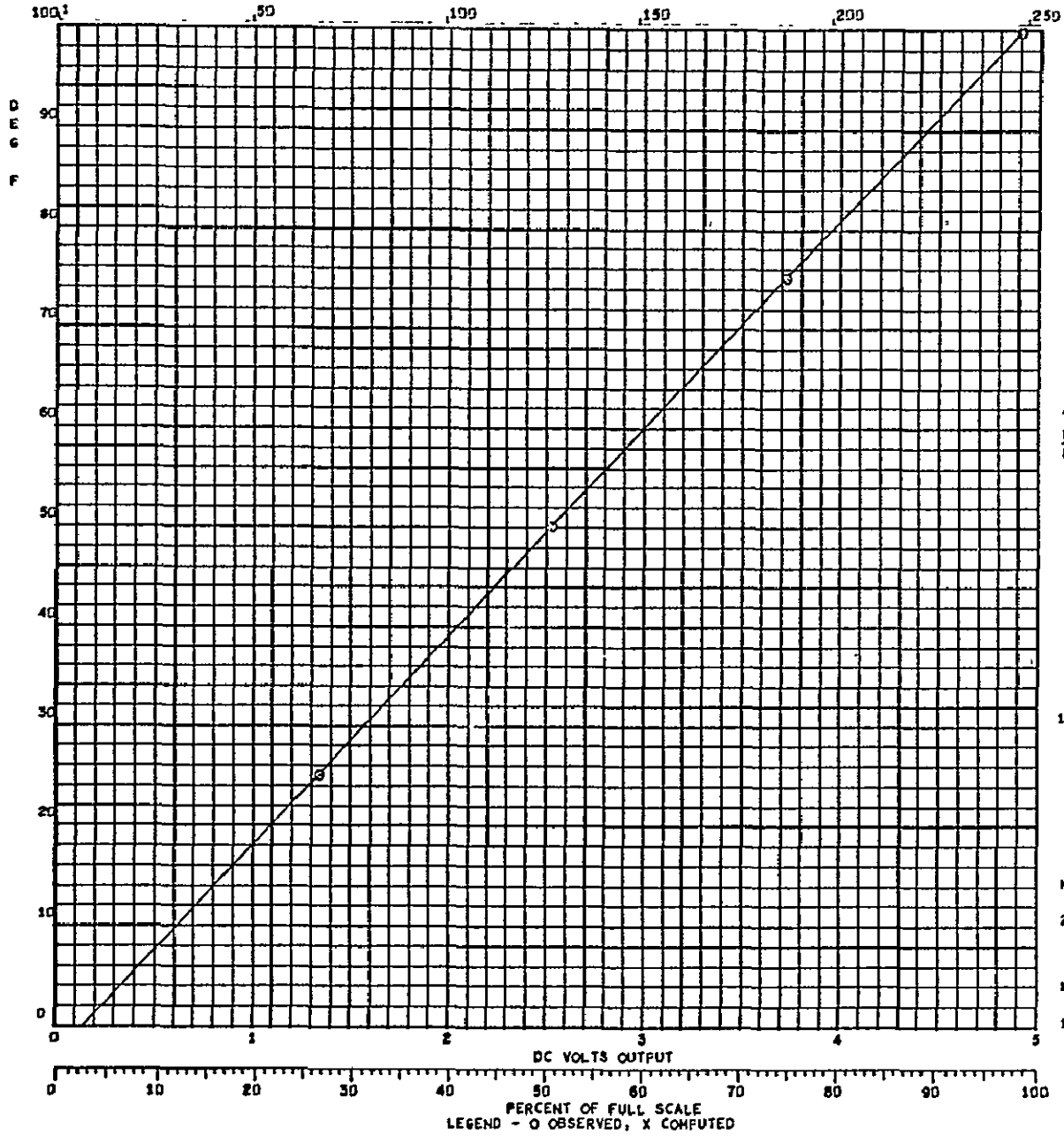
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-164.863	38	618.830	75	1402.522	112	2186.214	149	2969.906	186	3753.598	223	4537.290
2	-143.682	39	640.010	76	1423.702	113	2207.395	150	2991.087	187	3774.779	224	4558.471
3	-122.501	40	661.191	77	1444.883	114	2228.575	151	3012 267	188	3795.960	225	4579.652
4	-101.320	41	682.372	78	1466.064	115	2249.756	152	3033.448	189	3817.140	226	4600.833
5	-80.139	42	703.553	79	1487.245	116	2270.937	153	3054.629	190	3838.321	227	4622.014
6	-58.958	43	724.734	80	1508.426	117	2292.118	154	3075.810	191	3859.502	228	4643.195
7	-37.777	44	745.915	81	1529.607	118	2313.299	155	3096.991	192	3880.683	229	4664.376
8	-16.597	45	767.096	82	1550.788	119	2334.480	156	3118.172	193	3901.864	230	4685.557
9	4.584	46	788.276	83	1571.969	120	2355.661	157	3139.353	194	3923.045	231	4706.738
10	25.765	47	809.457	84	1593.149	121	2376.841	158	3160.534	195	3944.226	232	4727.919
11	46.946	48	830.638	85	1614.330	122	2398.022	159	3181.714	196	3965.406	233	4749.099
12	68.127	49	851.819	86	1635.511	123	2419.203	160	3202.895	197	3986.587	234	4770.280
13	89.308	50	873.000	87	1656.692	124	2440.384	161	3224.076	198	4007.768	235	4791.461
14	110.489	51	894.181	88	1677.873	125	2461.565	162	3245.257	199	4028 949	236	4812.642
15	131.670	52	915.362	89	1699.054	126	2482.746	163	3266 438	200	4050.130	237	4833.823
16	152.850	53	936.543	90	1720.235	127	2503.927	164	3287.619	201	4071.311	238	4855.004
17	174.031	54	957.723	91	1741.415	128	2525.108	165	3308.800	202	4092.492	239	4876.185
18	195.212	55	978.904	92	1762.596	129	2546.288	166	3329.980	203	4113.673	240	4897.366
19	216.393	56	1000.085	93	1783.777	130	2567.469	167	3351.161	204	4134.853	241	4918.547
20	237.574	57	1021 266	94	1804.958	131	2588.650	168	3372.342	205	4156.034	242	4939.728
21	258.755	58	1042.447	95	1826.139	132	2609.831	169	3393.523	206	4177.215	243	4960.908
22	279.936	59	1063 628	96	1847.320	133	2631.012	170	3414.704	207	4198.396	244	4982.089
23	301.117	60	1084.809	97	1868.501	134	2652.193	171	3435.885	208	4219.577	245	5003.270
24	322.297	61	1105.989	98	1889.682	135	2673.374	172	3457.066	209	4240.758	246	5024.451
25	343.478	62	1127.170	99	1910.862	136	2694.554	173	3478.247	210	4261.939	247	5045.632
26	364.659	63	1148.351	100	1932.043	137	2715.735	174	3499.427	211	4283.120	248	5066.813
27	385.840	64	1169.532	101	1953.224	138	2736.916	175	3520.608	212	4304.301	249	5087.994
28	407.021	65	1190.713	102	1974.405	139	2758.097	176	3541.789	213	4325.482	250	5109.175
29	428.202	66	1211.894	103	1995.586	140	2779.278	177	3562.970	214	4346.662	251	5130 356
30	449.383	67	1233.075	104	2016.767	141	2800.459	178	3584.151	215	4367.843	252	5151.536
31	470.563	68	1254.256	105	2037.948	142	2821.640	179	3605.332	216	4389 024	253	5172 717
32	491.744	69	1275 436	106	2059.128	143	2842.821	180	3626.513	217	4410.205	254	5193.898
33	512.925	70	1296.617	107	2080.309	144	2864.001	181	3647.693	218	4431.386		
34	534.106	71	1317.798	108	2101.490	145	2885.182	182	3668.874	219	4452.567		
35	555.287	72	1338.979	109	2122.671	146	2906.363	183	3690.055	220	4473.748		
36	576 468	73	1360.160	110	2143 852	147	2927.544	184	3711.236	221	4494.929		
37	597.649	74	1381.341	111	2165.033	148	2948.725	185	3732.417	222	4516.110		

09/27/71
1 INSTALLATION DATE MARCH 20,1969
HE TEMP TANK A
CAL RANGE -.170920 TO 99.8190

SC-113

HARDWARE CALIB. NO. 76442 01 00 00
SERIAL NO. 10095442340A

#21515



EQUATION COEFFICIENTS
A_0= -2.894 E 00
A_1= 2.094 E 01

AL DEV= 0
$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -2.894E 00
20% = 1.805E 01
40% = 3.900E 01
50% = 4.947E 01
60% = 5.994E 01
80% = 8.089E 01
100% = 1.018E 02

MEASUREMENT NO.
200SR5013T01

MEAS LOADING NO.
1105073 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE TEMP TANK A

MEASUREMENT NO. 200SR5013T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442340A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/20/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-2.894	38	12.422	75	27.737	112	43.052	149	58.367	186	73.683	223	88.998
2	-2.480	39	12.835	76	28.151	113	43.466	150	58.781	187	74.097	224	89.412
3	-2.066	40	13.249	77	28.565	114	43.880	151	59.195	188	74.511	225	89 826
4	-1.652	41	13.663	78	28.979	115	44.294	152	59.609	189	74.924	226	90.240
5	-1.238	42	14.077	79	29.393	116	44.708	153	60.023	190	75.338	227	90.654
6	-0.824	43	14.491	80	29.806	117	45.122	154	60.437	191	75.752	228	91.068
7	-0.410	44	14.905	81	30.220	118	45.536	155	60.851	192	76.166	229	91.482
8	0.004	45	15.319	82	30.634	119	45.950	156	61.265	193	76.580	230	91.895
9	0.418	46	15.733	83	31.048	120	46 364	157	61.679	194	76.994	231	92.309
10	0.832	47	16.147	84	31.462	121	46.777	158	62.093	195	77.408	232	92.723
11	1.246	48	16.561	85	31.876	122	47.191	159	62.507	196	77.822	233	93.137
12	1.659	49	16.975	86	32.290	123	47.605	160	62.921	197	78.236	234	93.551
13	2.073	50	17.389	87	32.704	124	48.019	161	63.335	198	78.650	235	93.965
14	2.487	51	17.803	88	33.118	125	48.433	162	63.748	199	79.064	236	94.379
15	2.901	52	18.217	89	33.532	126	48.847	163	64.162	200	79.478	237	94.793
16	3.315	53	18.630	90	33.946	127	49.261	164	64.576	201	79.892	238	95.207
17	3.729	54	19.044	91	34.360	128	49.675	165	64.990	202	80.306	239	95.621
18	4.143	55	19.458	92	34.774	129	50.089	166	65.404	203	80.719	240	96.035
19	4.557	56	19.872	93	35.188	130	50.503	167	65.818	204	81.133	241	96.449
20	4.971	57	20.286	94	35.601	131	50.917	168	66.232	205	81.547	242	96.863
21	5.385	58	20.700	95	36.015	132	51.331	169	66.646	206	81.961	243	97.277
22	5.799	59	21.114	96	36.429	133	51.745	170	67.060	207	82.375	244	97.690
23	6.213	60	21.528	97	36.843	134	52.159	171	67.474	208	82.789	245	98.104
24	6 627	61	21.942	98	37.257	135	52.572	172	67.888	209	83.203	246	98.518
25	7.041	62	22.356	99	37.671	136	52.986	173	68.302	210	83.617	247	98.932
26	7.454	63	22.770	100	38 085	137	53.400	174	68.716	211	84.031	248	99.346
27	7.868	64	23.184	101	38.499	138	53.814	175	69.129	212	84.445	249	99.760
28	8.282	65	23.598	102	38.913	139	54.228	176	69.543	213	84.859	250	100.174
29	8.696	66	24.011	103	39.327	140	54.642	177	69.957	214	85.273	251	100.588
30	9.110	67	24.425	104	39.741	141	55.056	178	70.371	215	85.687	252	101.002
31	9.524	68	24.839	105	40.155	142	55.470	179	70.785	216	86.100	253	101.416
32	9.938	69	25.253	106	40.569	143	55.884	180	71.199	217	86.514	254	101.830
33	10 352	70	25.667	107	40.982	144	56 298	181	71.613	218	86 928		
34	10.766	71	26 081	108	41.396	145	56.712	182	72.027	219	87.342		
35	11.180	72	26.495	109	41.810	146	57.126	183	72.441	220	87.756		
36	11.594	73	26.909	110	42.224	147	57.540	184	72.855	221	88.170		
37	12.008	74	27.323	111	42.638	148	57.953	185	73.269	222	88.584		

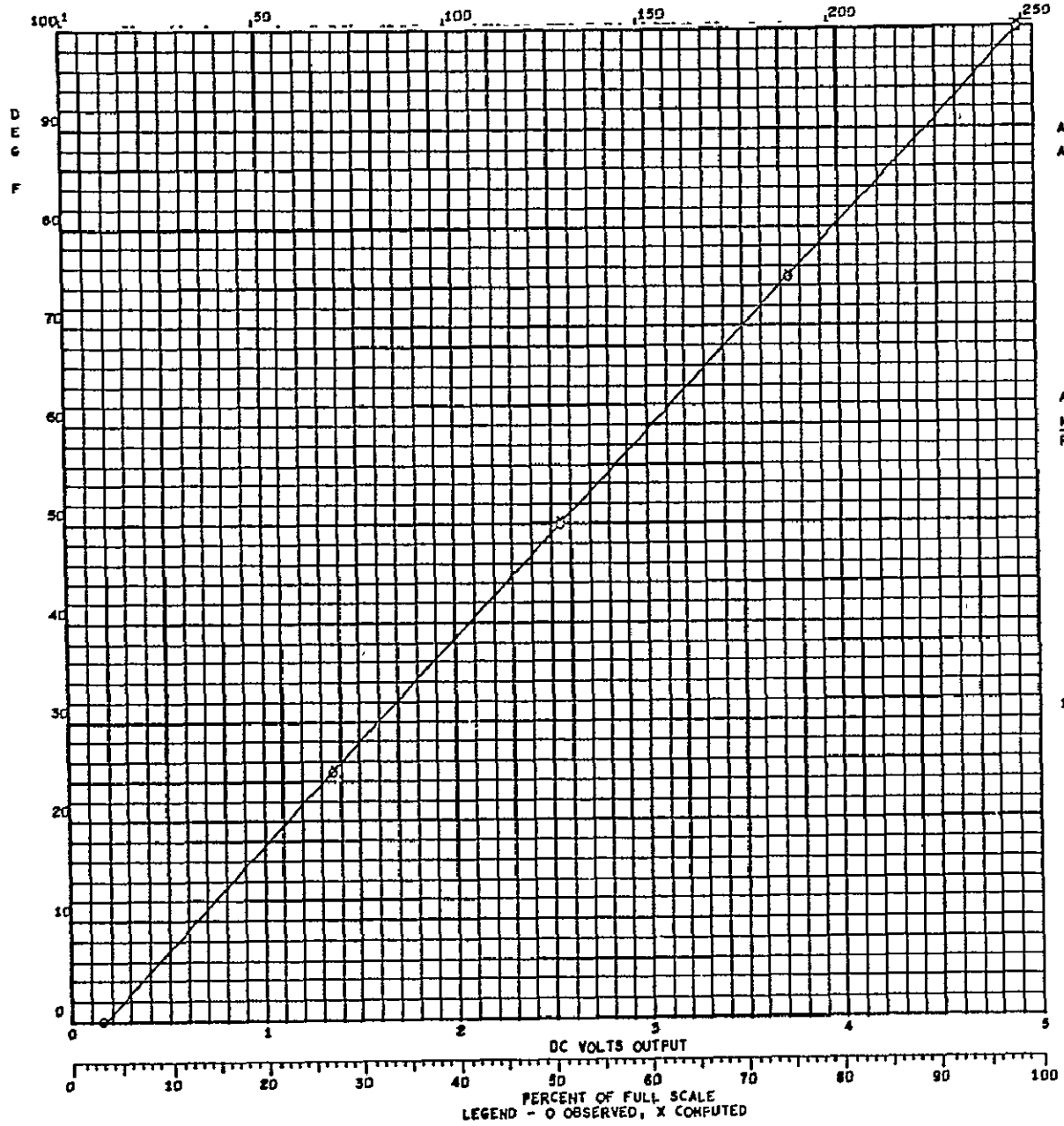
09/27/71
1 INSTALLATION DATE JULY 8,1961
ME TEMP TANK 8
CAL RANGE 0 TO 100.000

SC-113

HARDWARE CALIB. NO. 76542 01 00 00

SERIAL NO. 10095442539A

#21515



EQUATION COEFFICIENTS

A_0= -3.459 E 00

A_1= 2.102 E 01

AL DEV= .13174

$\frac{MX\ DEV}{RANGE}$ = .00131

0% = -3.459E 00

20% = 1.756E 01

40% = 3.857E 01

50% = 4.908E 01

60% = 5.959E 01

80% = 8.060E 01

100% = 1.016E 02

MEASUREMENT NO.

200SR5D14T02

MEAS LOADING NO.

1105974 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE TEMP TANK B

MEASUREMENT NO. 200SR5014T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442539A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

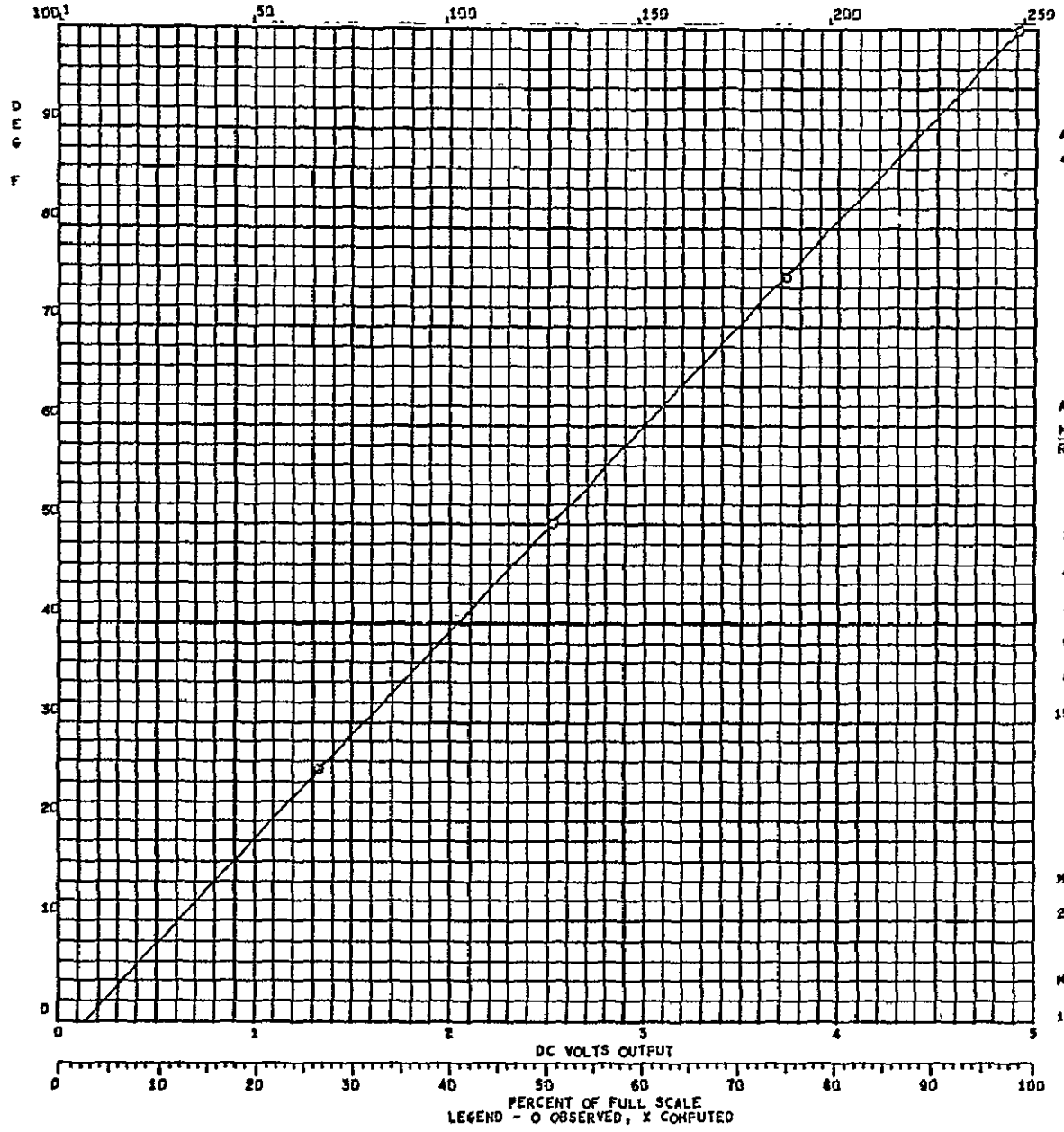
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.459	38	11.908	75	27.275	112	42.642	149	58.009	186	73 376	223	88.743
2	-3.043	39	12.324	76	27.691	113	43.057	150	58.424	187	73.791	224	89.158
3	-2.628	40	12.739	77	28.106	114	43.473	151	58 840	188	74.206	225	89.573
4	-2.213	41	13.154	78	28.521	115	43.888	152	59.255	189	74.622	226	89.989
5	-1.797	42	13.570	79	28.936	116	44.303	153	59.670	190	75.037	227	90.404
6	-1.382	43	13.985	80	29.352	117	44.719	154	60.086	191	75.452	228	90.819
7	-0.967	44	14.400	81	29.767	118	45.134	155	60.501	192	75.868	229	91.235
8	-0.551	45	14.816	82	30.182	119	45.549	156	60.916	193	76.283	230	91.650
9	-0 136	46	15.231	83	30.598	120	45.965	157	61.331	194	76.698	231	92.065
10	0.279	47	15 646	84	31.013	121	46.380	158	61.747	195	77.114	232	92.481
11	0.695	48	16.062	85	31.428	122	46.795	159	62.162	196	77.529	233	92.896
12	1.110	49	16.477	86	31.844	123	47.211	160	62.577	197	77.944	234	93.311
13	1.525	50	16.892	87	32.259	124	47.626	161	62.993	198	78.360	235	93.727
14	1.941	51	17.307	88	32.674	125	48.041	162	63.408	199	78.775	236	94.142
15	2.356	52	17.723	89	33.090	126	48.457	163	63.823	200	79.190	237	94.557
16	2.771	53	18.138	90	33.505	127	48.872	164	64.239	201	79.606	238	94.972
17	3.187	54	18.553	91	33.920	128	49.287	165	64.654	202	80.021	239	95.388
18	3.602	55	18.969	92	34.336	129	49.703	166	65.069	203	80.436	240	95 803
19	4.017	56	19.384	93	34.751	130	50.118	167	65.485	204	80.852	241	96 218
20	4.433	57	19.799	94	35.166	131	50.533	168	65.900	205	81.267	242	96.634
21	4.848	58	20 215	95	35.582	132	50.948	169	66.315	206	81.682	243	97.049
22	5.263	59	20.630	96	35.997	133	51.364	170	66 731	207	82.098	244	97.464
23	5.679	60	21.045	97	36.412	134	51.779	171	67.146	208	82.513	245	97.880
24	6.094	61	21.461	98	36.828	135	52.194	172	67.561	209	82.928	246	98 295
25	6.509	62	21.876	99	37.243	136	52.610	173	67.977	210	83.343	247	98.710
26	6.924	63	22.291	100	37.658	137	53.025	174	68.392	211	83.759	248	99.126
27	7.340	64	22.707	101	38.074	138	53.440	175	68.807	212	84.174	249	99.541
28	7.755	65	23.122	102	38.489	139	53.856	176	69.223	213	84.589	250	99.956
29	8.170	66	23.537	103	38.904	140	54.271	177	69.638	214	85.005	251	100.372
30	8.586	67	23.953	104	39.319	141	54.686	178	70.053	215	85.420	252	100.787
31	9.001	68	24.368	105	39.735	142	55.102	179	70.469	216	85.835	253	101.202
32	9.416	69	24.783	106	40.150	143	55.517	180	70.884	217	86.251	254	101.618
33	9.832	70	25.199	107	40.565	144	55.932	181	71.299	218	86.666		
34	10.247	71	25.614	108	40.981	145	56.348	182	71.715	219	87.081		
35	10.662	72	26.029	109	41.396	146	56.763	183	72.130	220	87.497		
36	11.078	73	26.445	110	41.811	147	57.178	184	72.545	221	87.912		
37	11.493	74	26.860	111	42.227	148	57.594	185	72.960	222	88.327		

09/27/71
1 INSTALLATION DATE MARCH 18,1969
HE TEMP TANK C
V CAL RANGE -.166436 TO 99.6447

SC-113

HARDWARE CALIB. NO. 76436 01 00 00
SERIAL NO. 10095442342A

#21515



EQUATION COEFFICIENTS

A_0= -2.694 E 00
A_1= 2.069 E 01

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = -2.694E 00
20% = 1.820E 01
40% = 3.909E 01
50% = 4 954E 01
60% = 5.998E 01
80% = 8.087E 01
100% = 1.018E 02

MEASUREMENT NO.
200SR5015T01

MEAS LOADING NO.
1105075 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

HE TEMP TANK C

MEASUREMENT NO. 200SR5015T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442342A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/18/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-2.694	38	12.583	75	27.859	112	43.136	149	58.413	186	73.690	223	88.967
2	-2.282	39	12.995	76	28.272	113	43.549	150	58.826	187	74.103	224	89.380
3	-1.869	40	13.408	77	28.685	114	43.962	151	59.239	188	74.516	225	89.793
4	-1.456	41	13.821	78	29.098	115	44.375	152	59.652	189	74.929	226	90.206
5	-1.043	42	14.234	79	29.511	116	44.788	153	60.065	190	75.342	227	90.619
6	-0.630	43	14.647	80	29.924	117	45.201	154	60.478	191	75.755	228	91.032
7	-0.217	44	15.060	81	30.337	118	45.614	155	60.891	192	76.168	229	91.445
8	0.196	45	15.473	82	30.750	119	46.027	156	61.304	193	76.580	230	91 857
9	0.609	46	15.886	83	31.163	120	46.439	157	61.716	194	76.993	231	92.270
10	1.022	47	16.299	84	31.575	121	46.852	158	62.129	195	77.406	232	92.683
11	1.435	48	16.711	85	31.988	122	47.265	159	62.542	196	77.819	233	93.096
12	1.847	49	17.124	86	32.401	123	47.678	160	62.955	197	78.232	234	93.509
13	2.260	50	17.537	87	32.814	124	48 091	161	63.368	198	78.645	235	93.922
14	2.673	51	17.950	88	33.227	125	48.504	162	63.781	199	79.058	236	94.335
15	3.086	52	18.363	89	33.640	126	48.917	163	64.194	200	79.471	237	94.748
16	3.499	53	18.776	90	34.053	127	49.330	164	64.607	201	79.884	238	95.161
17	3.912	54	19.189	91	34.466	128	49.743	165	65.020	202	80.296	239	95 573
18	4.325	55	19.602	92	34.879	129	50.156	166	65.432	203	80.709	240	95.986
19	4.738	56	20.015	93	35.291	130	50.568	167	65.845	204	81.122	241	96.399
20	5.151	57	20.427	94	35.704	131	50.981	168	66.258	205	81.535	242	96.812
21	5.563	58	20.840	95	36.117	132	51.394	169	66.671	206	81.948	243	97.225
22	5.976	59	21.253	96	36.530	133	51.807	170	67.084	207	82.361	244	97.638
23	6.389	60	21.666	97	36.943	134	52.220	171	67.497	208	82.774	245	98.051
24	6.802	61	22.079	98	37.356	135	52.633	172	67.910	209	83.187	246	98.464
25	7.215	62	22.492	99	37.769	136	53.046	173	68.323	210	83.600	247	98.877
26	7.628	63	22.905	100	38.182	137	53.459	174	68.736	211	84.012	248	99.289
27	8.041	64	23.318	101	38.595	138	53.872	175	69.148	212	84.425	249	99.702
28	8.454	65	23.731	102	39.007	139	54.284	176	69.561	213	84.838	250	100.115
29	8.867	66	24.143	103	39.420	140	54.697	177	69.974	214	85.251	251	100.528
30	9.279	67	24.556	104	39.833	141	55.110	178	70 387	215	85.664	252	100.941
31	9.692	68	24.969	105	40.246	142	55.523	179	70.800	216	86.077	253	101.354
32	10.105	69	25.382	106	40.659	143	55.936	180	71.213	217	86.490	254	101.767
33	10.518	70	25.795	107	41.072	144	56.349	181	71.626	218	86.903		
34	10.931	71	26.208	108	41.485	145	56.762	182	72.039	219	87.316		
35	11.344	72	26.621	109	41.898	146	57.175	183	72.452	220	87.728		
36	11.757	73	27.034	110	42.311	147	57.588	184	72.864	221	88.141		
37	12.170	74	27.447	111	42.723	148	58.000	185	73.277	222	88.554		

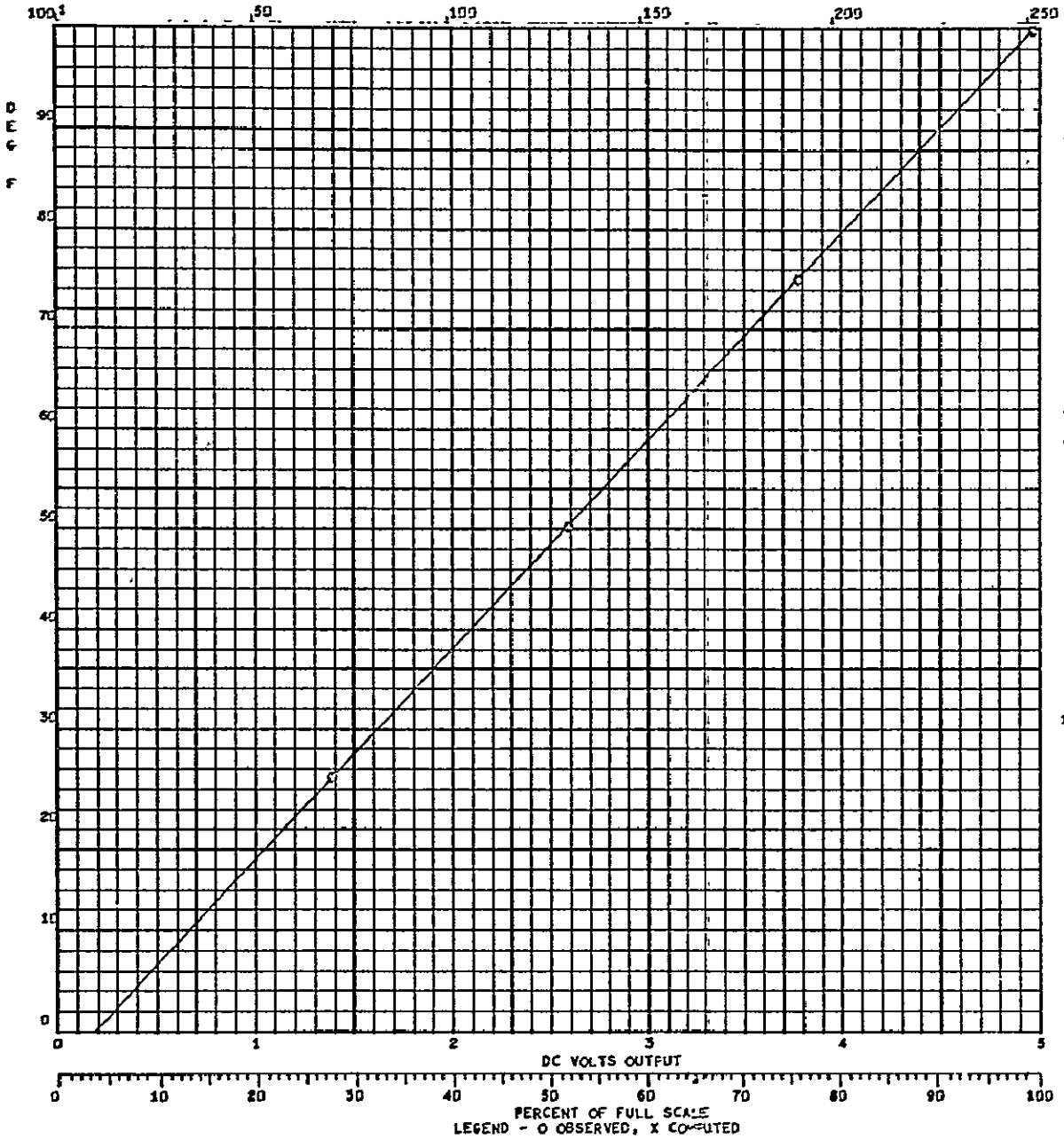
09/27/71
1 INSTALLATION DATE APRIL 2,1969
NE TEMP TANK D
CAL RANGE -.211905 TO 99.8025

SC-113

HARDWARE CALIB. NO. 76809 01 60 60

SERIAL NO. 10095592439A

=21515



EQUATION COEFFICIENTS

A_0= -3.847 E 00

A_1= 2.089 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -3.847E 00

20% = 1.704E 01

40% = 3.793E 01

50% = 4.837E 01

60% = 5.882E 01

80% = 7.971E 01

100% = 1.006E 02

MEASUREMENT NO.

200SR5016T01

MEAS LOADING NO.

1195076 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HE TEMP TANK D

MEASUREMENT NO. 200SR5016T01
VEHICLE SC=113
TRANSDUCER SERIAL NO. 100955924394
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/02/69

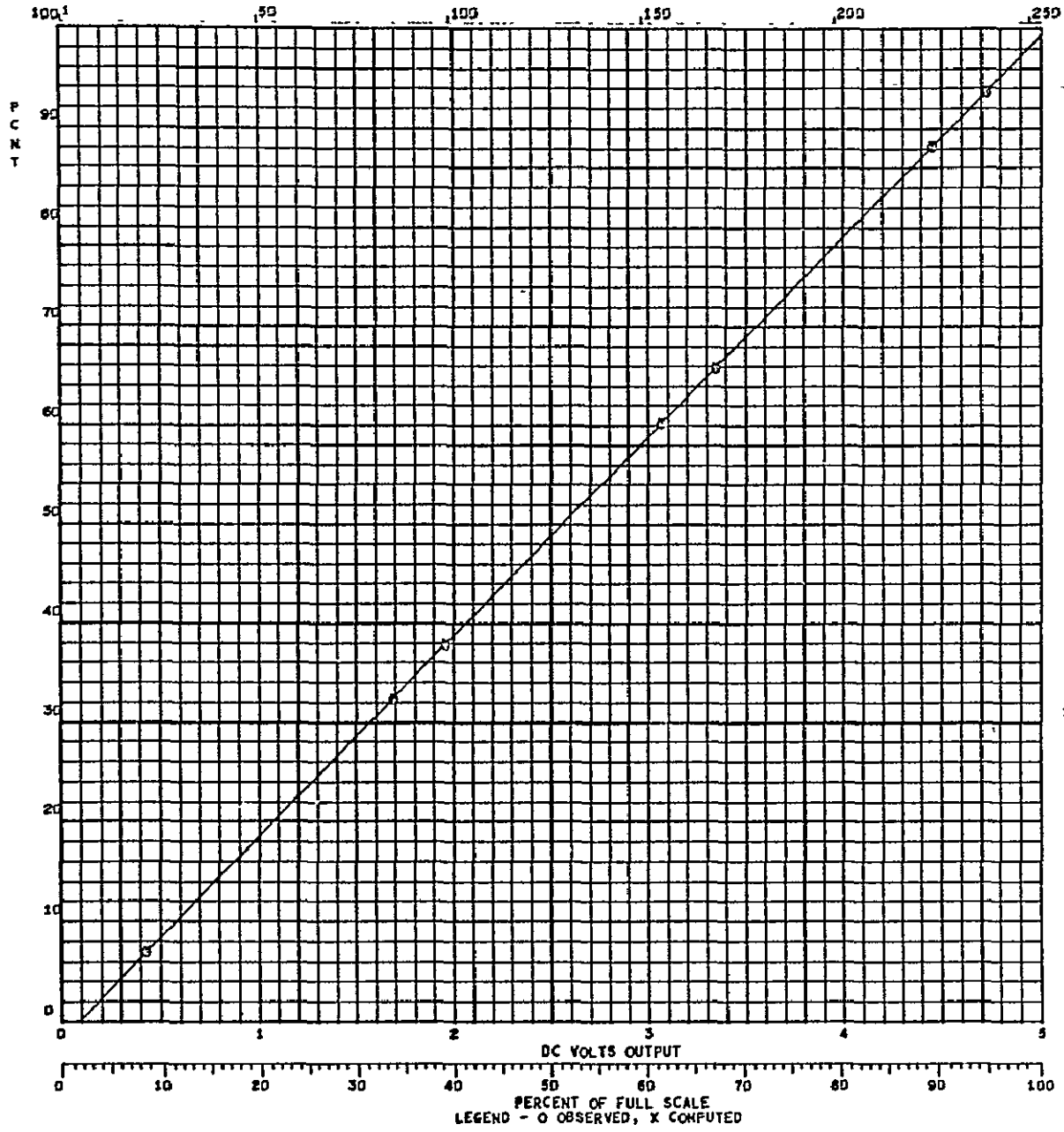
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.847	38	11.428	75	26.702	112	41.976	149	57.250	186	72.525	223	87.799
2	-3.434	39	11.841	76	27.115	113	42.389	150	57.663	187	72.937	224	88.212
3	-3.021	40	12.253	77	27.528	114	42.802	151	58.076	188	73 350	225	88.625
4	-2.608	41	12.666	78	27.940	115	43.215	152	58.489	189	73.763	226	89.037
5	-2.195	42	13.079	79	28.353	116	43.627	153	58.902	190	74.176	227	89.450
6	-1.782	43	13.492	80	28.766	117	44.040	154	59.315	191	74.589	228	89.863
7	-1.370	44	13.905	81	29.179	118	44.453	155	59.727	192	75.002	229	90.276
8	-0.957	45	14.317	82	29.592	119	44.866	156	60.140	193	75.414	230	90.689
9	-0.544	46	14.730	83	30.004	120	45.279	157	60.553	194	75.827	231	91.101
10	-0.131	47	15.143	84	30.417	121	45.692	158	60.966	195	76.240	232	91.514
11	0.282	48	15.556	85	30.830	122	46.104	159	61.379	196	76.653	233	91.927
12	0.694	49	15.969	86	31.243	123	46.517	160	61.791	197	77.066	234	92.340
13	1.107	50	16.382	87	31.656	124	46.930	161	62.204	198	77.478	235	92.753
14	1.520	51	16.794	88	32.069	125	47.343	162	62.617	199	77.891	236	93.166
15	1.933	52	17.207	89	32.481	126	47.756	163	63.030	200	78.304	237	93.578
16	2.346	53	17.620	90	32.894	127	48.168	164	63.443	201	78.717	238	93.991
17	2.759	54	18.033	91	33.307	128	48.581	165	63.856	202	79.130	239	94.404
18	3.171	55	18.446	92	33.720	129	48.994	166	64.268	203	79.543	240	94.817
19	3.584	56	18.858	93	34.133	130	49.407	167	64.681	204	79.955	241	95.230
20	3.997	57	19.271	94	34.545	131	49.820	168	65.094	205	80.368	242	95.642
21	4.410	58	19.684	95	34.958	132	50.233	169	65.507	206	80.781	243	96.055
22	4.823	59	20 097	96	35.371	133	50.645	170	65.920	207	81.194	244	96.468
23	5.235	60	20.510	97	35.784	134	51.058	171	66.332	208	81.607	245	96.881
24	5.648	61	20.923	98	36.197	135	51.471	172	66.745	209	82.019	246	97.294
25	6.061	62	21.335	99	36.610	136	51.884	173	67.158	210	82.432	247	97.707
26	6.474	63	21.748	100	37.022	137	52.297	174	67.571	211	82.845	248	98.119
27	6.887	64	22.161	101	37.435	138	52.709	175	67.984	212	83.258	249	98 532
28	7.300	65	22.574	102	37.848	139	53.122	176	68.396	213	83.671	250	98.945
29	7.712	66	22 987	103	38.261	140	53.535	177	68.809	214	84.084	251	99.358
30	8.125	67	23.399	104	38.674	141	53.948	178	69.222	215	84.496	252	99.771
31	8.538	68	23 812	105	39.086	142	54.361	179	69.635	216	84.909	253	100.183
32	8.951	69	24.225	106	39.499	143	54.774	180	70.048	217	85.322	254	100.596
33	9.364	70	24.638	107	39.912	144	55.186	181	70.461	218	85.735		
34	9.776	71	25.051	108	40.325	145	55.599	182	70.873	219	86.148		
35	10.189	72	25 464	109	40.738	146	56.012	183	71.286	220	86.560		
36	10.602	73	25.876	110	41.151	147	56.425	184	71.699	221	86.973		
37	11.015	74	26.289	111	41.563	148	56.838	185	72.112	222	87.386		

09/27/71
1 INSTALLATION DATE MARCH 21,1969
QUAN SM RCS PRO SYS A
V CAL RANGE 6.87401 TO 113.001

SC-113

HARDWARE CALIB. NO. 77051 10 00 00
SERIAL NO. 103086027094

=21515



EQUATION COEFFICIENTS
A_0= -1.709 E 00
A_1= 2.020 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.709E 00
20% = 1.849E 01
40% = 3.868E 01
50% = 4.878E 01
60% = 5.888E 01
80% = 7.907E 01
100% = 9.927E 01

MEASUREMENT NO.
200SR5025011

MEAS LOADING NO.
1031116 12 20

This is a multiple mode measurement. It is one of three options. Dependent factor is 40deg. F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-217)

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN SM RCS PRO SYS A

MEASUREMENT NO. 200SR5025011
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802709A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

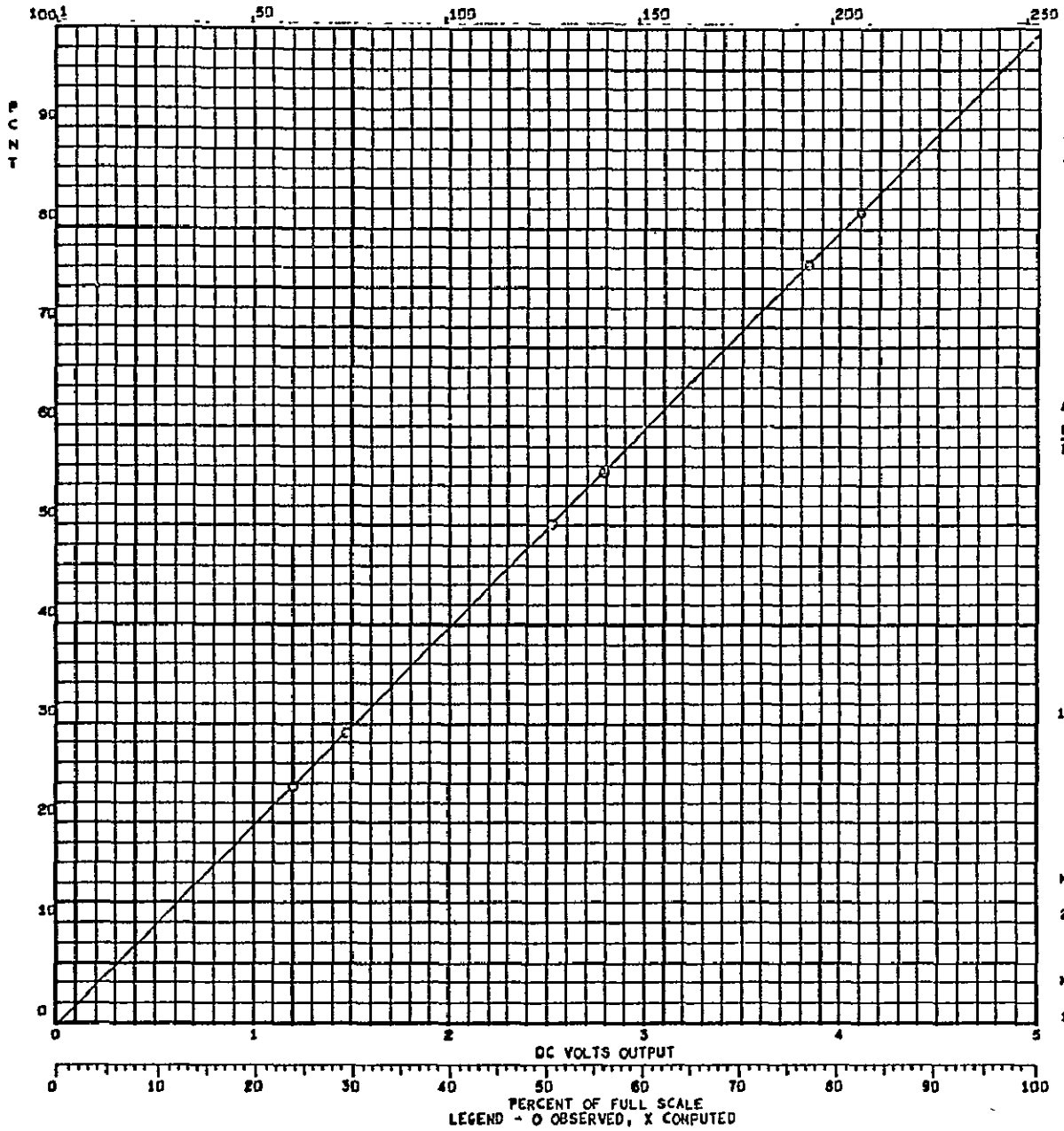
CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-1.709	38	13.058	75	27.826	112	42.593	149	57.361	186	72.128	223	86.895
2	-1.310	39	13.457	76	28.225	113	42.992	150	57.760	187	72.527	224	87.294
3	-0.911	40	13.857	77	28.624	114	43.391	151	58.159	188	72.926	225	87.694
4	-0.512	41	14.256	78	29.023	115	43.791	152	58.558	189	73.325	226	88.093
5	-0.113	42	14.655	79	29.422	116	44.190	153	58.957	190	73.724	227	88.492
6	0.287	43	15.054	80	29.821	117	44.589	154	59.356	191	74.124	228	88.891
7	0.686	44	15.453	81	30.220	118	44.988	155	59.755	192	74.523	229	89.290
8	1.085	45	15.852	82	30.620	119	45.387	156	60.154	193	74.922	230	89.689
9	1.484	46	16.251	83	31.019	120	45.786	157	60.554	194	75.321	231	90.088
10	1.883	47	16.650	84	31.418	121	46.185	158	60.953	195	75.720	232	90.487
11	2.282	48	17.050	85	31.817	122	46.584	159	61.352	196	76.119	233	90.887
12	2.681	49	17.449	86	32.216	123	46.983	160	61.751	197	76.518	234	91.286
13	3.080	50	17.848	87	32.615	124	47.383	161	62.150	198	76.917	235	91 685
14	3.480	51	18.247	88	33.014	125	47.782	162	62.549	199	77.317	236	92.084
15	3.879	52	18.646	89	33.413	126	48.181	163	62.948	200	77.716	237	92.483
16	4.278	53	19 045	90	33.813	127	48.580	164	63.347	201	78.115	238	92.882
17	4.677	54	19.444	91	34.212	128	48.979	165	63.746	202	78.514	239	93.281
18	5.076	55	19.843	92	34.611	129	49 378	166	64.146	203	78.913	240	93.680
19	5.475	56	20.242	93	35.010	130	49.777	167	64.545	204	79.312	241	94.080
20	5.874	57	20.642	94	35.409	131	50.176	168	64.944	205	79.711	242	94.479
21	6.273	58	21.041	95	35.808	132	50.576	169	65.343	206	80.110	243	94.878
22	6.672	59	21.440	96	36.207	133	50.975	170	65.742	207	80.509	244	95.277
23	7.072	60	21.839	97	36 606	134	51.374	171	66.141	208	80.909	245	95.676
24	7.471	61	22.238	98	37.005	135	51.773	172	66.540	209	81.308	246	96.075
25	7.870	62	22.637	99	37.405	136	52.172	173	66.939	210	81.707	247	96.474
26	8.269	63	23.036	100	37.804	137	52.571	174	67.339	211	82.106	248	96.873
27	8.668	64	23.435	101	38.203	138	52.970	175	67.738	212	82.505	249	97.272
28	9.067	65	23.835	102	38.602	139	53.369	176	68.137	213	82.904	250	97.672
29	9.466	66	24.234	103	39.001	140	53.768	177	68.536	214	83.303	251	98.071
30	9.865	67	24.633	104	39.400	141	54.168	178	68.935	215	83.702	252	98.470
31	10.265	68	25.032	105	39.799	142	54.567	179	69.334	216	84.102	253	98.869
32	10.664	69	25.431	106	40.198	143	54.966	180	69.733	217	84.501	254	99.268
33	11.063	70	25.830	107	40.598	144	55.365	181	70.132	218	84.900		
34	11.462	71	26.229	108	40.997	145	55.764	182	70.531	219	85.299		
35	11.861	72	26.628	109	41.396	146	56.163	183	70.931	220	85.698		
36	12.260	73	27.028	110	41.795	147	56.562	184	71.330	221	86.097		
37	12.659	74	27.427	111	42.194	148	56.961	185	71.729	222	86.496		

09/27/71
1 INSTALLATION DATE MARCH 21,1969
QUAN SM RCS PRO SYS A
CAL RANGE -.179327 TO 99.7989

SC-113

HARDWARE CALIB. NO. 77051 20 00 00
SERIAL NO. 103088027094

=21515



EQUATION COEFFICIENTS
A_0= -2.192 E-01
A_1= 1.996 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -2.192E-01
20% = 1.974E 01
40% = 3.969E 01
50% = 4.967E 01
60% = 5.965E 01
80% = 7.960E 01
100% = 9.956E 01

MEASUREMENT NO.
200SR5025021

MEAS LOADING NO.
1031116 12 29

This is a multiple mode measurement. It is two of three options. Dependent factor is 70 deg. F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-217)

10-13

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS A

MEASUREMENT NO. 200SR5025021
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103S38027S9A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.219	38	14.373	75	28.965	112	43.557	149	58.149	186	72.741	223	87.334
2	0.175	39	14.767	76	29.359	113	43.952	150	58.544	187	73.136	224	87.728
3	0.570	40	15.162	77	29.754	114	44.346	151	58.938	188	73.530	225	88.122
4	0.964	41	15.556	78	30.148	115	44.740	152	59.332	189	73.925	226	88.517
5	1.358	42	15.950	79	30.543	116	45.135	153	59.727	190	74.319	227	88.911
6	1.753	43	16.345	80	30.937	117	45.529	154	60.121	191	74.713	228	89.306
7	2.147	44	16.739	81	31.331	118	45.923	155	60.516	192	75.108	229	89.700
8	2.541	45	17.134	82	31.726	119	46.318	156	60.910	193	75.502	230	90.094
9	2.936	46	17.528	83	32.120	120	46.712	157	61.304	194	75.897	231	90.489
10	3.330	47	17.922	84	32.514	121	47.107	158	61.699	195	76.291	232	90.883
11	3.725	48	18.317	85	32.909	122	47.501	159	62.093	196	76.685	233	91.277
12	4.119	49	18.711	86	33.303	123	47.895	160	62.488	197	77.080	234	91.672
13	4.513	50	19.105	87	33.698	124	48.290	161	62.882	198	77.474	235	92.066
14	4.908	51	19.500	88	34.092	125	48.684	162	63.276	199	77.868	236	92.461
15	5.302	52	19.894	89	34.486	126	49.079	163	63.671	200	78.263	237	92.855
16	5.696	53	20 289	90	34.881	127	49.473	164	64.065	201	78.657	238	93.249
17	6.091	54	20.683	91	35.275	128	49.867	165	64.459	202	79.052	239	93.644
18	6.485	55	21.077	92	35.670	129	50.262	166	64.854	203	79.446	240	94.038
19	6.880	56	21.472	93	36.064	130	50 656	167	65.248	204	79.840	241	94.432
20	7.274	57	21.866	94	36.458	131	51.050	168	65.643	205	80.235	242	94.827
21	7.668	58	22.261	95	36.853	132	51.445	169	66.037	206	80.629	243	95.221
22	8.063	59	22.655	96	37.247	133	51.839	170	66.431	207	81.023	244	95.616
23	8.457	60	23.049	97	37.641	134	52.234	171	66.826	208	81.418	245	96.010
24	8.852	61	23.444	98	38.036	135	52.628	172	67.220	209	81.812	246	96.404
25	9.246	62	23.838	99	38.430	136	53.022	173	67.614	210	82.207	247	96.799
26	9.640	63	24.232	100	38 825	137	53.417	174	68.009	211	82.601	248	97.193
27	10.035	64	24.627	101	39.219	138	53.811	175	68.403	212	82.995	249	97.588
28	10.429	65	25.021	102	39.613	139	54.205	176	68.798	213	83.390	250	97.982
29	10.823	66	25.416	103	40 008	140	54.600	177	69.192	214	83.784	251	98.376
30	11.218	67	25.810	104	40.402	141	54.994	178	69.586	215	84.179	252	98.771
31	11.612	68	26.204	105	40.796	142	55.389	179	69.981	216	84.573	253	99.165
32	12.007	69	26.599	106	41.191	143	55.783	180	70.375	217	84.967	254	99.559
33	12.401	70	26.993	107	41.585	144	56.177	181	70.770	218	85.362		
34	12.795	71	27.388	108	41.980	145	56.572	182	71.164	219	85.756		
35	13.190	72	27.782	109	42.374	146	56.966	183	71.558	220	86.150		
36	13.584	73	28.176	110	42.768	147	57.361	184	71.953	221	86.545		
37	13.979	74	28.571	111	43.163	148	57.755	185	72.347	222	86.939		

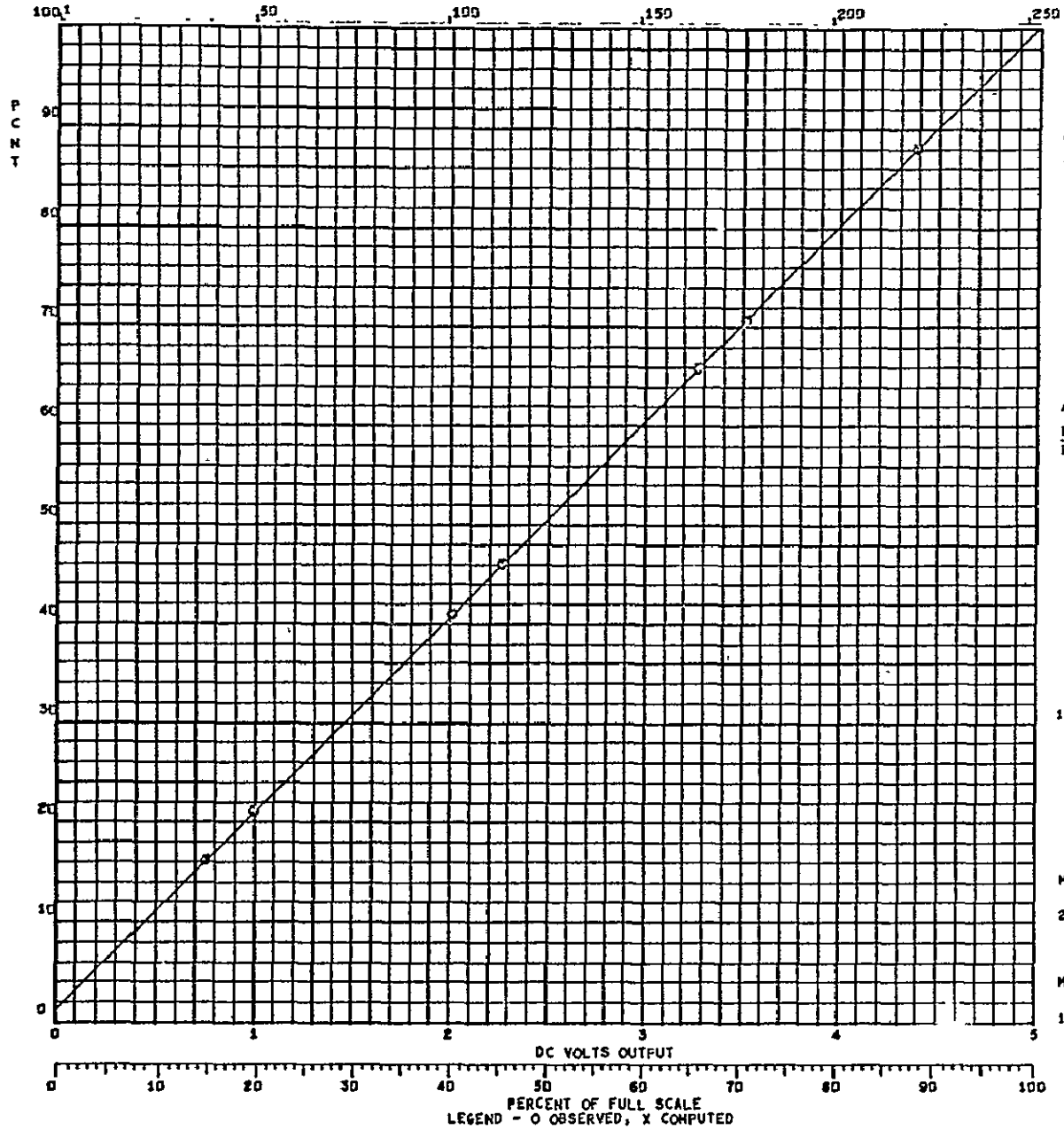
09/27/71
1 INSTALLATION DATE MARCH 21,1969
QUAN SM RCS PRO SYS A
V CAL RANGE -6.40166 TO 68.0433

SC-113

HARDWARE CALIB. NO. 77051 30 00 00

SERIAL NO. 10308802709A

=21515



EQUATION COEFFICIENTS

A_0= 1.368 E 00

A_1= 1.977 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = 1.368E 00

20% = 2.114E 01

40% = 4.091E 01

50% = 5.080E 01

60% = 6.068E 01

80% = 8.045E 01

100% = 1.092E 02

MEASUREMENT NO.

200SR5025Q31

MEAS LOADING NO.

1031116 12 20

This is a multiple mode measurement. It is three of three options. Dependent factor is 100 deg. F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-217)

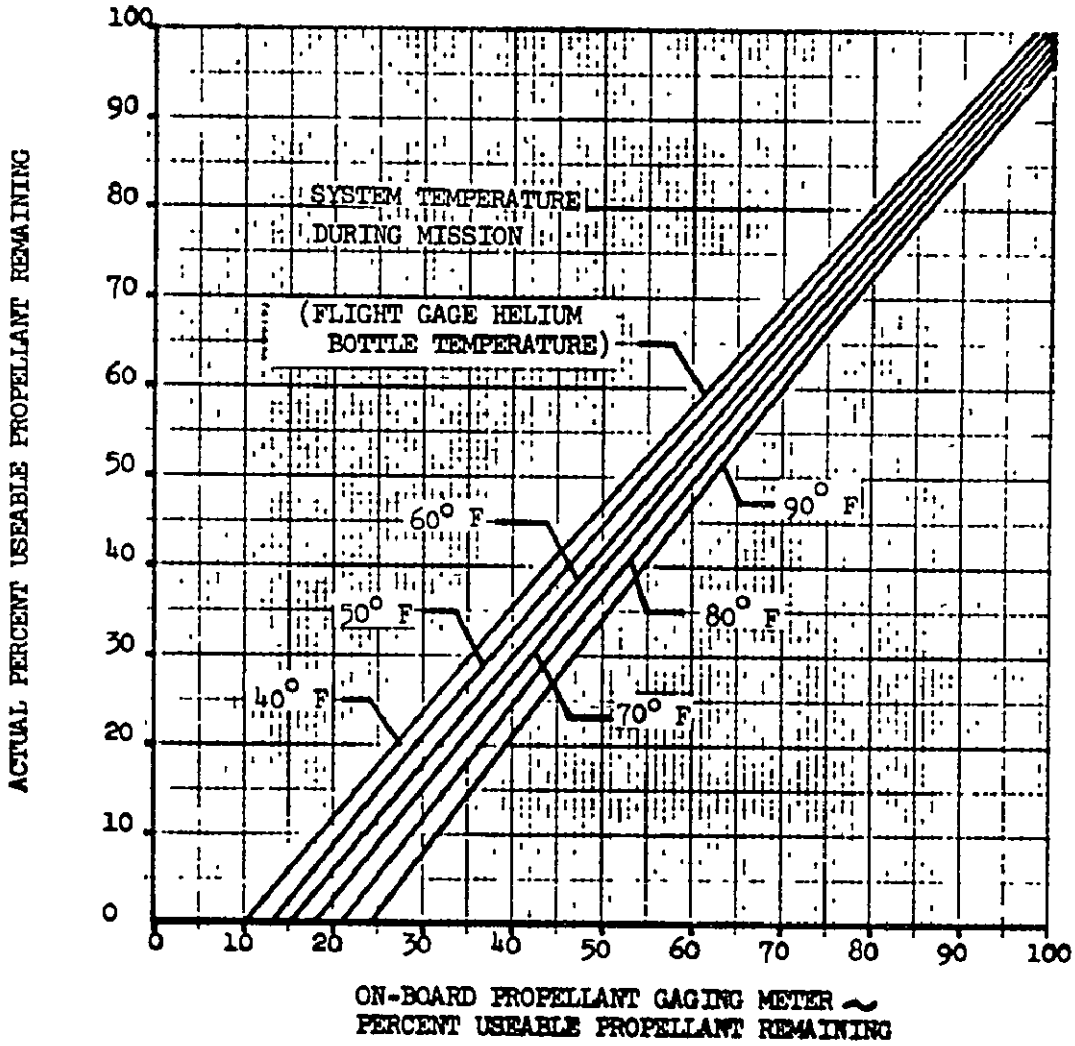
**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

QUAN SM RCS FRO SYS A

MEASUREMENT NO. 200SR5025Q31
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103088027Q9A
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

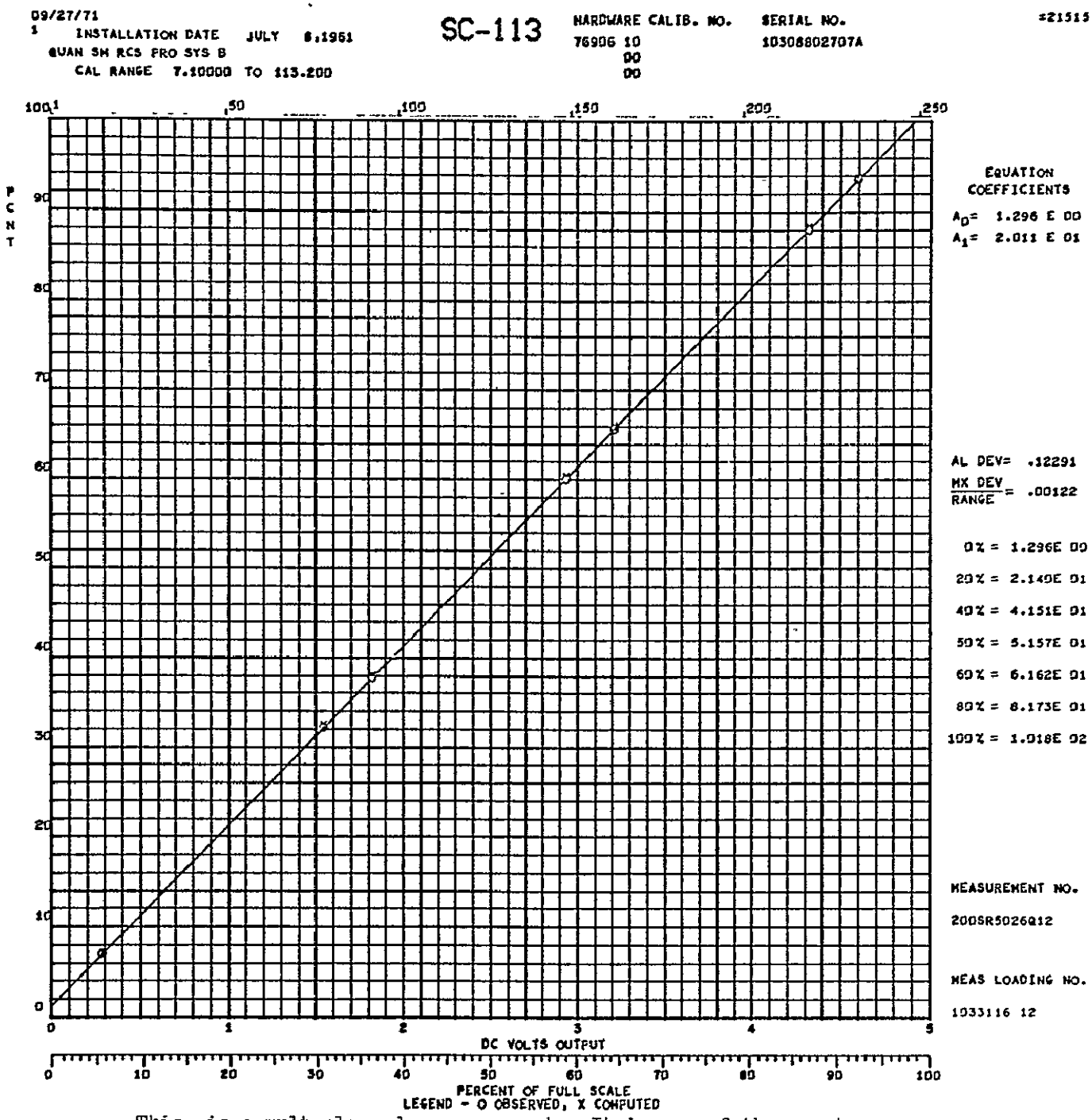
CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	1.368	38	15.825	75	30.282	112	44.739	149	59.196	186	73.653	223	88.110
2	1.759	39	16.216	76	30.673	113	45.130	150	59.586	187	74.043	224	88.500
3	2.149	40	16.606	77	31.063	114	45.520	151	59.977	188	74.434	225	88 891
4	2.540	41	16.997	78	31.454	115	45.911	152	60 368	189	74.825	226	89.282
5	2.931	42	17.388	79	31.845	116	46.302	153	60.759	190	75.216	227	89.672
6	3.322	43	17.779	80	32.236	117	46.692	154	61.149	191	75.606	228	90.063
7	3.712	44	18.169	81	32.626	118	47.083	155	61.540	192	75.997	229	90.454
8	4.103	45	18.560	82	33.017	119	47.474	156	61.931	193	76.388	230	90 845
9	4.494	46	18.951	83	33.408	120	47.865	157	62.322	194	76.778	231	91.235
10	4 885	47	19.342	84	33.798	121	48 255	158	62.712	195	77.169	232	91 626
11	5.275	48	19.732	85	34.189	122	48.646	159	63.103	196	77.560	233	92 017
12	5'666	49	20.123	86	34.580	123	49.037	160	63.494	197	77.951	234	92.408
13	6.057	50	20.514	87	34.971	124	49.428	161	63.884	198	78.341	235	92.798
14	6.448	51	20.904	88	35.361	125	49.818	162	64.275	199	78.732	236	93.189
15	6.838	52	21.295	89	35.752	126	50.209	163	64.666	200	79.123	237	93.580
16	7.229	53	21.686	90	36.143	127	50.600	164	65.057	201	79.514	238	93.970
17	7.620	54	22.077	91	36.534	128	50.990	165	65.447	202	79.904	239	94.361
18	8.010	55	22.467	92	36.924	129	51.381	166	65.838	203	80.295	240	94.752
19	8.401	56	22.858	93	37.315	130	51.772	167	66.229	204	80.686	241	95.143
20	8.792	57	23.249	94	37.706	131	52.163	168	66.620	205	81.076	242	95.533
21	9 183	58	23.640	95	38.096	132	52.553	169	67.010	206	81.467	243	95.924
22	9.573	59	24.030	96	38.487	133	52.944	170	67.401	207	81.858	244	96.315
23	9.964	60	24.421	97	38.878	134	53.335	171	67.792	208	82.249	245	96.706
24	10.355	61	24.812	98	39.269	135	53.726	172	68.182	209	82.639	246	97 096
25	10.746	62	25.202	99	39.659	136	54.116	173	68.573	210	83.030	247	97.487
26	11.136	63	25.593	100	40.050	137	54.507	174	68.964	211	83.421	248	97.878
27	11.527	64	25.984	101	40.441	138	54.898	175	69.355	212	83.812	249	98.268
28	11.918	65	26.375	102	40.832	139	55.288	176	69.745	213	84.202	250	98.659
29	12.308	66	26.765	103	41.222	140	55.679	177	70.136	214	84.593	251	99.050
30	12.699	67	27.156	104	41.613	141	56.070	178	70.527	215	84.984	252	99.441
31	13.090	68	27.547	105	42.004	142	56.461	179	70.918	216	85.374	253	99.831
32	13.481	69	27.938	106	42.394	143	56.851	180	71.308	217	85.765	254	100.222
33	13.871	70	28.328	107	42.785	144	57.242	181	71.699	218	86.156		
34	14.262	71	28.719	108	43.176	145	57.633	182	72.090	219	86.547		
35	14.653	72	29.110	109	43.567	146	58.024	183	72.480	220	86.937		
36	15.044	73	29.500	110	43.957	147	58.414	184	72.871	221	87.328		
37	15 434	74	29.891	111	44.348	148	58.805	185	73.262	222	87.719		

MINUS 2 ☛ SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.

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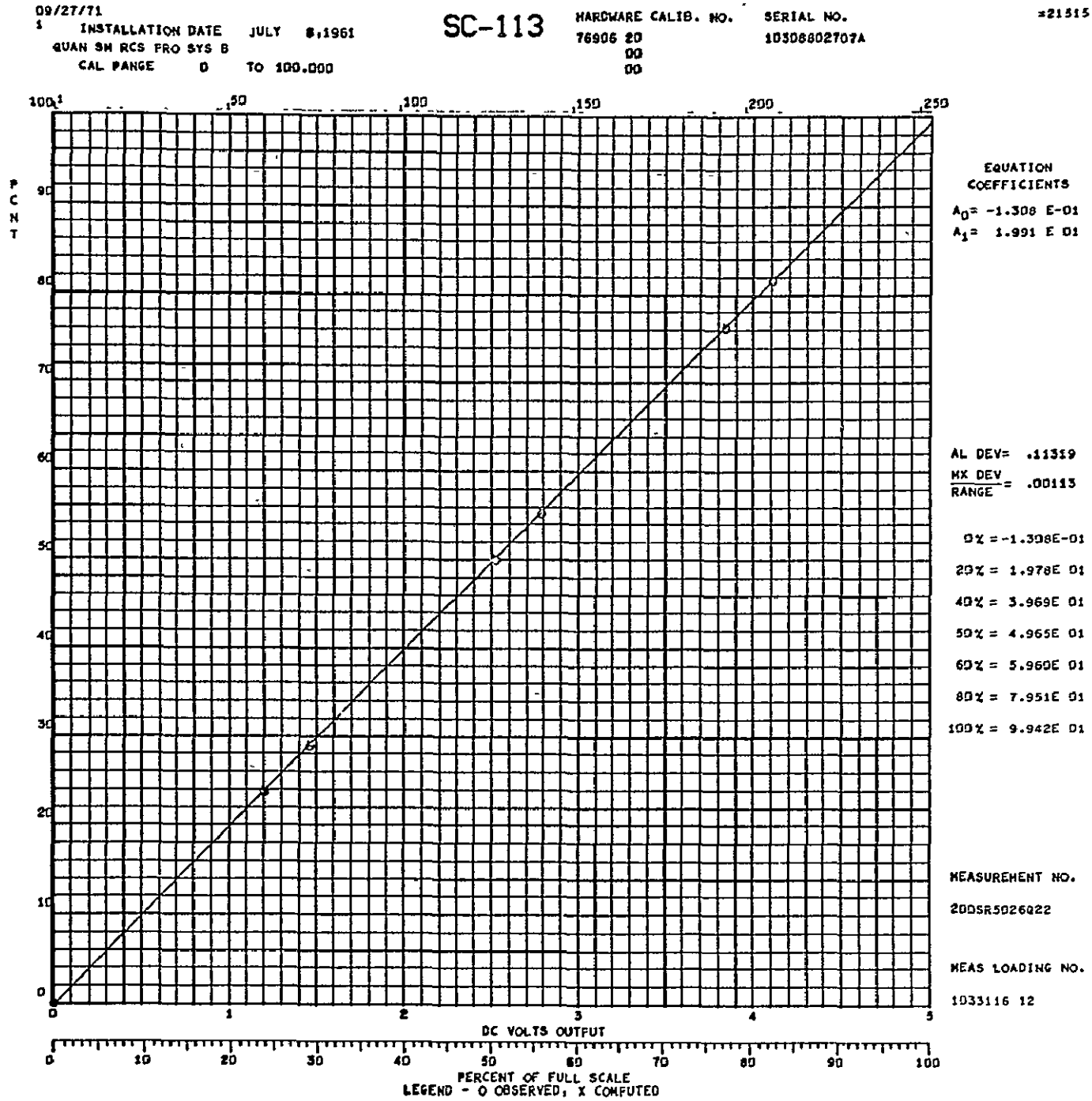
This is a multiple mode measurement. It is one of three options. Dependent factor is 40 deg. F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-225)

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS B

MEASUREMENT NO. 2005R5026012
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802707A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	1.296	38	15.999	75	30.702	112	45.406	149	60.109	186	74.812	223	89.516
2	1.693	39	16.397	76	31.100	113	45.803	150	60.506	187	75.210	224	89.913
3	2.091	40	16.794	77	31.497	114	46.200	151	60.904	188	75.607	225	90.310
4	2.488	41	17.191	78	31.895	115	46.598	152	61.301	189	76.004	226	90.708
5	2.885	42	17.589	79	32.292	116	46.995	153	61.699	190	76.402	227	91.105
6	3.283	43	17.986	80	32.689	117	47.393	154	62.096	191	76.799	228	91.502
7	3.680	44	18.383	81	33.087	118	47.790	155	62.493	192	77.197	229	91.900
8	4.078	45	18.781	82	33.484	119	48.187	156	62.891	193	77.594	230	92.297
9	4.475	46	19.178	83	33.881	120	48.585	157	63.288	194	77.991	231	92.695
10	4.872	47	19.576	84	34.279	121	48.982	158	63.685	195	78.389	232	93 092
11	5.270	48	19.973	85	34.676	122	49.380	159	64.083	196	78.786	233	93.489
12	5.667	49	20.370	86	35.074	123	49.777	160	64.480	197	79.184	234	93.887
13	6.064	50	20.768	87	35.471	124	50.174	161	64.878	198	79.581	235	94.284
14	6.462	51	21.165	88	35 868	125	50.572	162	65.275	199	79.978	236	94.682
15	6.859	52	21.563	89	36.266	126	50.969	163	65.672	200	80.376	237	95 079
16	7.257	53	21.960	90	36.663	127	51.366	164	66 070	201	80.773	238	95.476
17	7.654	54	22.357	91	37.061	128	51.764	165	66.467	202	81.170	239	95.874
18	8.051	55	22.755	92	37.458	129	52.161	166	66.865	203	81.568	240	96.271
19	8.449	56	23.152	93	37.855	130	52.559	167	67.262	204	81.965	241	96.669
20	8.846	57	23.549	94	38.253	131	52.956	168	67.659	205	82.363	242	97.066
21	9 244	58	23.947	95	38.650	132	53.353	169	68.057	206	82.760	243	97.463
22	9.641	59	24.344	96	39.048	133	53.751	170	68.454	207	83.157	244	97.861
23	10.038	60	24.742	97	39.445	134	54.148	171	68.851	208	83.555	245	98.258
24	10 436	61	25.139	98	39.842	135	54.546	172	69.249	209	83.952	246	98.655
25	10 833	62	25.536	99	40.240	136	54.943	173	69 646	210	84.350	247	99.053
26	11.230	63	25.934	100	40.637	137	55.340	174	70.044	211	84.747	248	99.450
27	11 628	64	26.331	101	41.034	138	55.738	175	70.441	212	85.144	249	99.848
28	12.025	65	26.729	102	41.432	139	56.135	176	70.838	213	85.542	250	100.245
29	12.423	66	27.126	103	41.829	140	56.533	177	71.236	214	85.939	251	100.642
30	12.820	67	27.523	104	42.227	141	56.930	178	71.633	215	86.336	252	101.040
31	13.217	68	27.921	105	42.624	142	57.327	179	72.031	216	86.734	253	101.437
32	13.615	69	28.318	106	43.021	143	57.725	180	72.428	217	87.131	254	101.835
33	14 012	70	28.715	107	43.419	144	58.122	181	72 825	218	87.529		
34	14.410	71	29.113	108	43.816	145	58.519	182	73.223	219	87.926		
35	14.807	72	29.510	109	44.214	146	58.917	183	73.620	220	88.323		
36	15.204	73	29.908	110	44.611	147	59.314	184	74.017	221	88.721		
37	15.602	74	30.305	111	45.008	148	59.712	185	74.415	222	89.118		



This is a multiple mode measurement. It is two of three options. Dependent factor is 70°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-225).

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS B

MEASUREMENT NO. 200SR5026022
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802707A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.131	38	14.428	75	28.987	112	43.546	149	58.105	186	72.665	223	87.224
2	0.263	39	14.822	76	29.381	113	43.940	150	58.499	187	73.058	224	87.617
3	0.656	40	15.215	77	29.774	114	44.333	151	58.892	188	73.451	225	88.011
4	1.050	41	15.609	78	30.168	115	44.727	152	59.286	189	73.845	226	88.404
5	1.443	42	16.002	79	30.561	116	45.120	153	59.679	190	74.238	227	88.798
6	1.837	43	16.396	80	30.955	117	45.514	154	60.073	191	74.632	228	89.191
7	2.230	44	16.789	81	31.348	118	45.907	155	60.466	192	75.025	229	89.585
8	2.624	45	17.183	82	31.742	119	46.301	156	60.860	193	75.419	230	89.978
9	3.017	46	17.576	83	32.135	120	46.694	157	61.253	194	75.812	231	90.371
10	3.411	47	17.970	84	32.529	121	47.088	158	61.647	195	76.206	232	90.765
11	3.804	48	18.363	85	32.922	122	47.481	159	62.040	196	76.599	233	91.158
12	4.198	49	18.757	86	33.316	123	47.875	160	62.434	197	76.993	234	91.552
13	4.591	50	19.150	87	33.709	124	48.268	161	62.827	198	77.386	235	91.945
14	4.985	51	19.544	88	34.103	125	48.662	162	63.221	199	77.780	236	92.339
15	5.378	52	19.937	89	34.496	126	49.055	163	63.614	200	78.173	237	92.732
16	5.772	53	20.331	90	34.890	127	49.449	164	64.008	201	78.567	238	93.126
17	6.165	54	20.724	91	35.283	128	49.842	165	64.401	202	78.960	239	93.519
18	6.559	55	21.118	92	35 677	129	50.236	166	64.795	203	79.354	240	93 913
19	6.952	56	21.511	93	36 070	130	50.629	167	65.188	204	79.747	241	94.306
20	7.346	57	21.905	94	36.464	131	51.023	168	65.582	205	80.141	242	94.700
21	7.739	58	22.298	95	36.857	132	51.416	169	65.975	206	80.534	243	95.093
22	8.132	59	22.692	96	37.251	133	51.810	170	66.369	207	80.928	244	95.487
23	8.526	60	23.085	97	37.644	134	52.203	171	66.762	208	81.321	245	95.880
24	8.919	61	23.479	98	38.038	135	52.597	172	67.156	209	81.715	246	96.274
25	9.313	62	23.872	99	38.431	136	52.990	173	67.549	210	82.108	247	96.667
26	9.706	63	24.265	100	38.825	137	53.384	174	67.943	211	82.502	248	97.061
27	10.100	64	24.659	101	39.218	138	53.777	175	68 336	212	82.895	249	97.454
28	10.493	65	25.052	102	39 612	139	54.171	176	68.730	213	83.289	250	97.848
29	10.887	66	25.446	103	40.005	140	54.564	177	69.123	214	83.682	251	98.241
30	11.280	67	25.839	104	40 398	141	54.958	178	69.517	215	84.076	252	98.635
31	11.674	68	26 233	105	40.792	142	55.351	179	69.910	216	84.469	253	99.028
32	12.067	69	26.626	106	41.185	143	55.745	180	70.304	217	84.863	254	99.422
33	12.461	70	27.020	107	41.579	144	56.138	181	70.697	218	85.256		
34	12.854	71	27.413	108	41.972	145	56.532	182	71.091	219	85.650		
35	13.248	72	27.807	109	42.366	146	56.925	183	71.484	220	86.043		
36	13.641	73	28.200	110	42.759	147	57.318	184	71.878	221	86.437		
37	14.035	74	28.594	111	43.153	148	57.712	185	72.271	222	86.830		

09/27/71

1 INSTALLATION DATE JULY 8,1961

QUAN SM RCS PRO SYS B

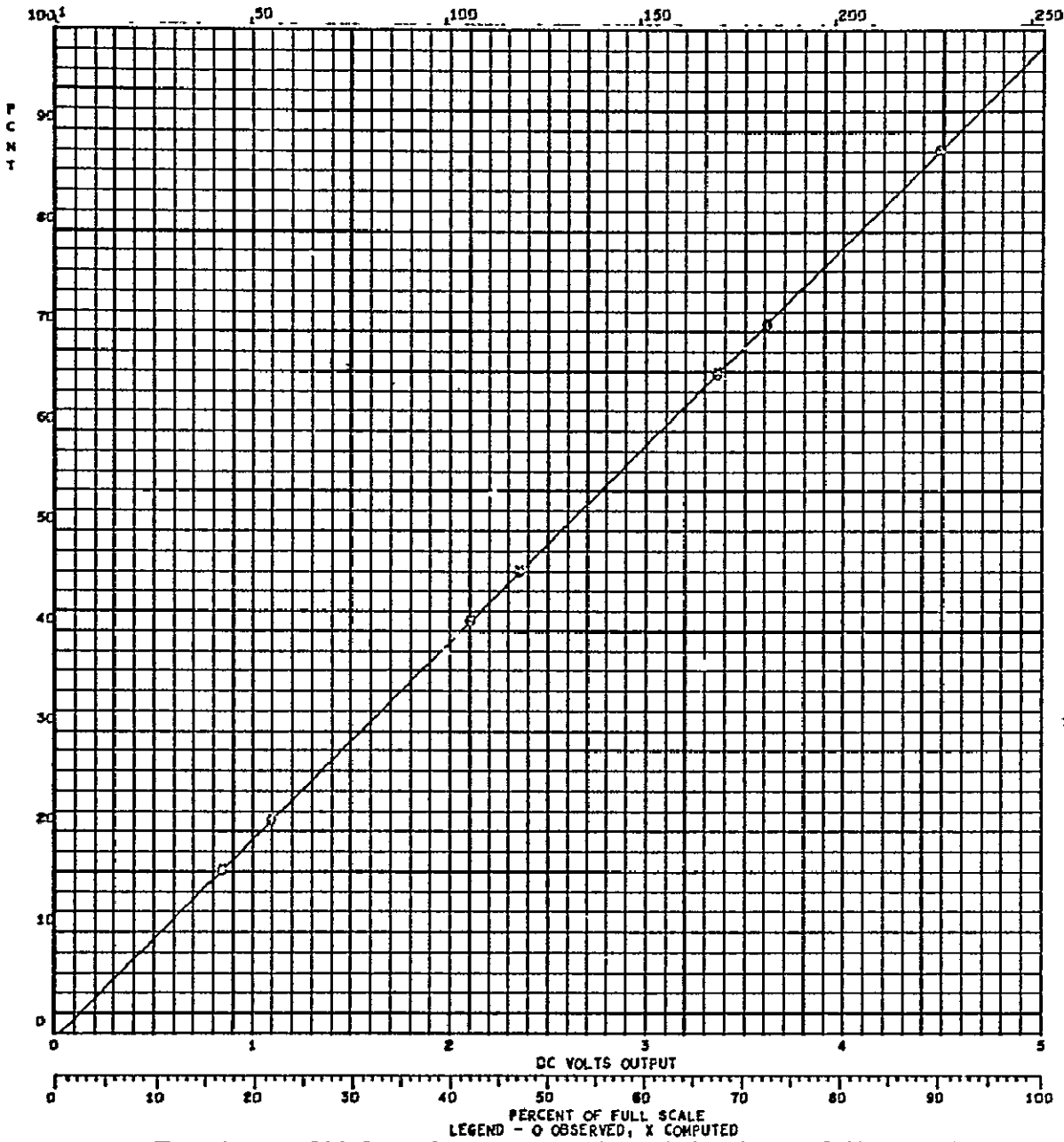
V CAL RANGE -8.30000 TO 68.2000

SC-113

HARDWARE CALIB. NO. 76906 30 00 00

SERIAL NO. 10308802707A

=21515



EQUATION COEFFICIENTS

A_0= -4.830 E-01

A_1= 1.976 E 01

AL DEV= .09137

$\frac{MX\ DEV}{RANGE}$= .00091

0% =-4.830E-01

20% = 1.927E 01

40% = 3.903E 01

50% = 4.891E 01

60% = 5.879E 01

80% = 7.855E 01

100% = 9.830E 01

MEASUREMENT NO.

200SR5026@32

MEAS LOADING NO

1033116 12

This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-225).

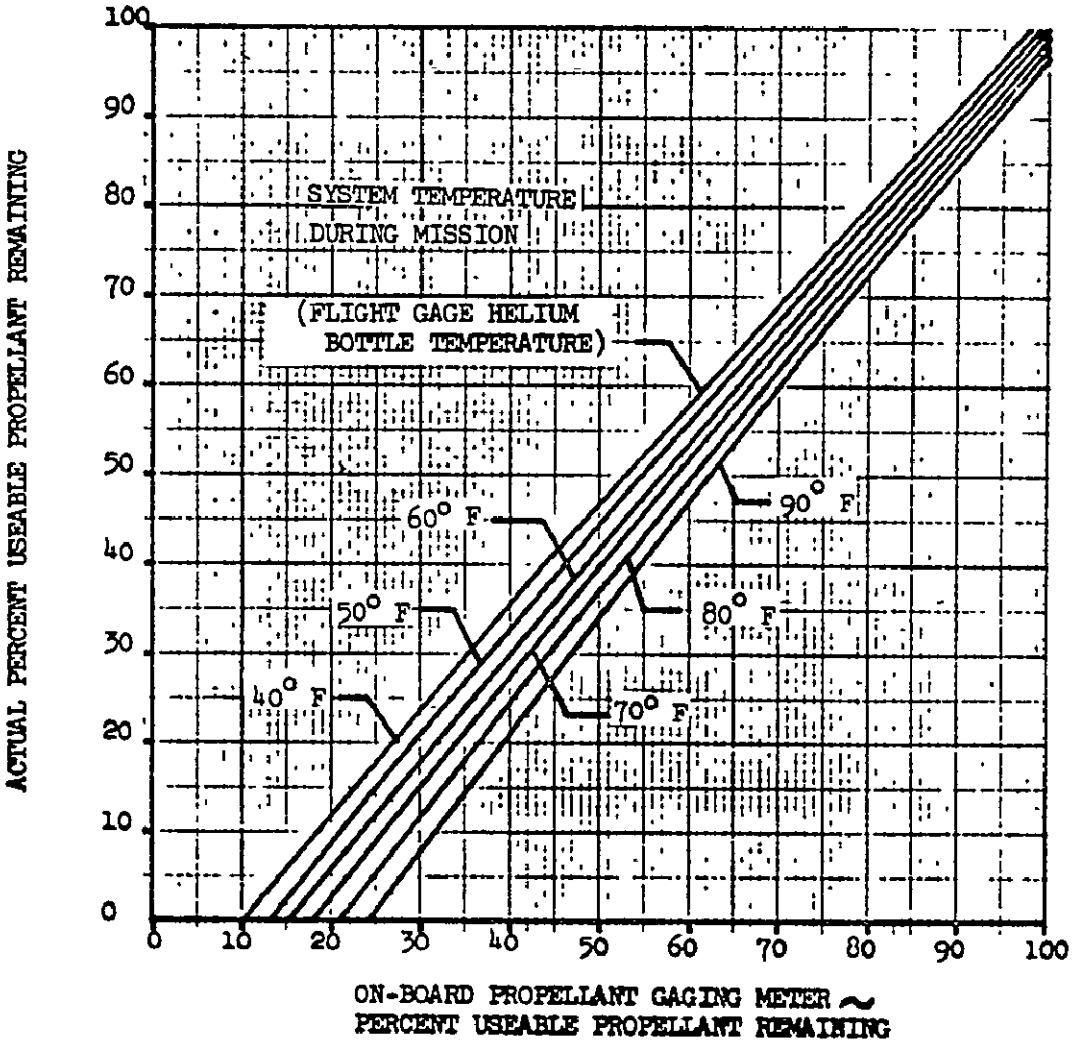
CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS FRO SYS B

MEASUREMENT NO. 2003R5026032
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1030880270TA
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

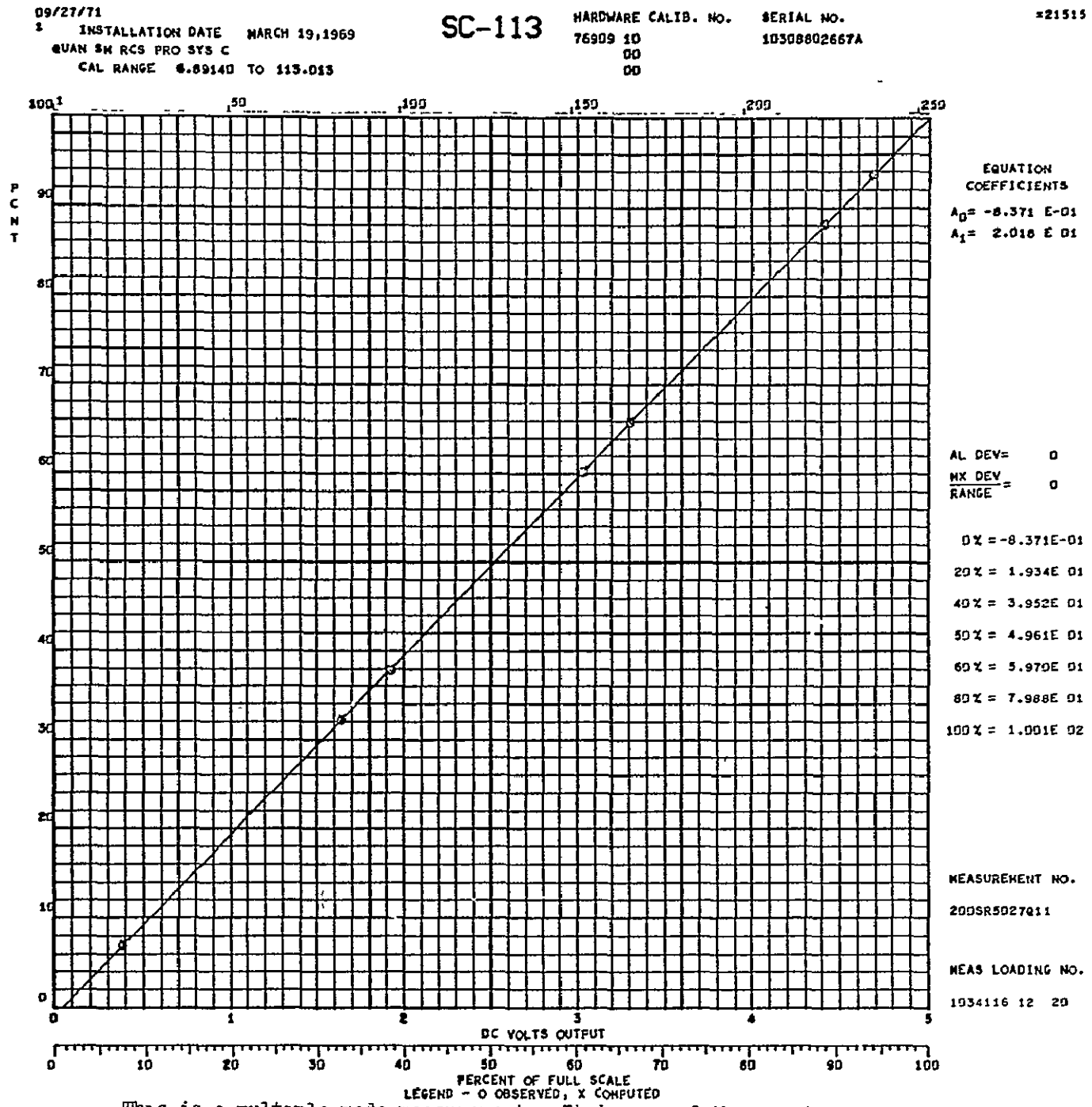
CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.483	38	13.964	75	28.411	112	42.858	149	57.305	186	71.752	223	86.199
2	-0 093	39	14.354	76	28 802	113	43.249	150	57.696	187	72.143	224	86.590
3	0.298	40	14.745	77	29.192	114	43.639	151	58.086	188	72.533	225	86.980
4	0.688	41	15.135	78	29.582	115	44.029	152	58.477	189	72.924	226	87.371
5	1.079	42	15.526	79	29.973	116	44.420	153	58 867	190	73.314	227	87.761
6	1.469	43	15.916	80	30.363	117	44.810	154	59.257	191	73.705	228	88.152
7	1.860	44	16.307	81	30.754	118	45.201	155	59.648	192	74.095	229	88.542
8	2.250	45	16.697	82	31.144	119	45.591	156	60.038	193	74.485	230	88.932
9	2.641	46	17.088	83	31.535	120	45.982	157	60.429	194	74.876	231	89.323
10	3.031	47	17.478	84	31.925	121	46.372	158	60.819	195	75.266	232	89.713
11	3.422	48	17.869	85	32.316	122	46.763	159	61.210	196	75.657	233	90.104
12	3.812	49	18.259	86	32.706	123	47.153	160	61.600	197	76.047	234	90 494
13	4.202	50	18.650	87	33.097	124	47.544	161	61.991	198	76.438	235	90.885
14	4.593	51	19.040	88	33.487	125	47.934	162	62.381	199	76.828	236	91.275
15	4.983	52	19.430	89	33.878	126	48.325	163	62.772	200	77.219	237	91.666
16	5.374	53	19.821	90	34.268	127	48.715	164	63.162	201	77.609	238	92.056
17	5.764	54	20.211	91	34.658	128	49.105	165	63.553	202	78.000	239	92.447
18	6.155	55	20.602	92	35.049	129	49.496	166	63.943	203	78.390	240	92.837
19	6.545	56	20.992	93	35.439	130	49.886	167	64.333	204	78.780	241	93.228
20	6.936	57	21.383	94	35.830	131	50.277	168	64.724	205	79.171	242	93.618
21	7.326	58	21.773	95	36.220	132	50.667	169	65.114	206	79.561	243	94.008
22	7.717	59	22.164	96	36.611	133	51.058	170	65.505	207	79.952	244	94.399
23	8.107	60	22.554	97	37.001	134	51.448	171	65.895	208	80.342	245	94.789
24	8.498	61	22.945	98	37.392	135	51.839	172	66.286	209	80.733	246	95.180
25	8.888	62	23.335	99	37.782	136	52.229	173	66.676	210	81.123	247	95 570
26	9.278	63	23.726	100	38.173	137	52.620	174	67.067	211	81.514	248	95.961
27	9.669	64	24.116	101	38.563	138	53.010	175	67.457	212	81 904	249	96.351
28	10.059	65	24.506	102	38.953	139	53.401	176	67.848	213	82.295	250	96.742
29	10.450	66	24.897	103	39.344	140	53.791	177	68 238	214	82.685	251	97.132
30	10 840	67	25 287	104	39.734	141	54.181	178	68.629	215	83.076	252	97.523
31	11.231	68	25.678	105	40.125	142	54.572	179	69.019	216	83 466	253	97.913
32	11.621	69	26.068	106	40.515	143	54.962	180	69.409	217	83.856	254	98.304
33	12.012	70	26.459	107	40.906	144	55.353	181	69.800	218	84.247		
34	12.402	71	26.849	108	41.296	145	55.743	182	70.190	219	84.637		
35	12 793	72	27.240	109	41.687	146	56.134	183	70.581	220	85.028		
36	13.183	73	27.630	110	42.077	147	56.524	184	70.971	221	85.418		
37	13.574	74	28.021	111	42.468	148	56.915	185	71.362	222	85.809		

MINUS 2 σ SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.

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This is a multiple mode measurement. It is one of three options. Dependent factor is 40°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-233).

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS C

MEASUREMENT NO. 200SR5027011
VEHICLE SC-113
TRANSDUCER SERIAL NO. 19308802667A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/19/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.837	38	13.918	75	28.674	112	43.429	149	58.184	186	72.940	223	87.695
2	-0.438	39	14.317	76	29.072	113	43.828	150	58.583	187	73.339	224	88.094
3	-0.040	40	14.716	77	29.471	114	44.227	151	58.982	188	73.737	225	88 493
4	0.359	41	15.115	78	29.870	115	44.625	152	59 381	189	74.136	226	88.891
5	0.758	42	15.513	79	30.269	116	45.024	153	59.780	190	74.535	227	89 290
6	1.157	43	15.912	80	30.668	117	45.423	154	60.178	191	74.934	228	89.689
7	1.556	44	16.311	81	31.066	118	45.822	155	60.577	192	75.332	229	90.088
8	1.954	45	16.710	82	31.465	119	46.221	156	60.976	193	75.731	230	90.487
9	2.353	46	17.109	83	31.864	120	46.619	157	61.375	194	76.130	231	90.885
10	2.752	47	17.507	84	32.263	121	47.018	158	61.773	195	76.529	232	91.284
11	3.151	48	17.906	85	32.662	122	47.417	159	62.172	196	76.928	233	91.683
12	3.550	49	18.305	86	33.060	123	47.816	160	62.571	197	77.326	234	92.082
13	3.948	50	18.704	87	33.459	124	48.215	161	62.970	198	77.725	235	92.481
14	4.347	51	19.103	88	33.858	125	48.613	162	63.369	199	78.124	236	92.879
15	4.746	52	19.501	89	34.257	126	49.012	163	63.767	200	78.523	237	93.278
16	5.145	53	19.900	90	34.656	127	49.411	164	64.166	201	78.922	238	93.677
17	5.544	54	20.299	91	35.054	128	49.810	165	64.565	202	79.320	239	94.076
18	5.942	55	20.698	92	35.453	129	50.208	166	64.964	203	79.719	240	94 475
19	6.341	56	21.097	93	35.852	130	50.607	167	65.363	204	80.118	241	94.873
20	6.740	57	21.495	94	36.251	131	51.006	168	65.761	205	80.517	242	95.272
21	7.139	58	21.894	95	36.649	132	51.405	169	66.160	206	80.916	243	95.671
22	7.538	59	22.293	96	37.048	133	51.804	170	66.559	207	81.314	244	96 070
23	7.936	60	22.692	97	37.447	134	52 202	171	66.958	208	81.713	245	96.469
24	8.335	61	23.090	98	37.846	135	52.601	172	67.357	209	82.112	246	96.867
25	8.734	62	23.489	99	38.245	136	53.000	173	67.755	210	82.511	247	97.266
26	9.133	63	23.888	100	38.643	137	53.399	174	68.154	211	82.910	248	97.665
27	9.531	64	24.287	101	39.042	138	53.798	175	68.553	212	83.308	249	98.064
28	9.930	65	24.686	102	39.441	139	54.196	176	68.952	213	83.707	250	98 463
29	10.329	66	25.084	103	39.840	140	54.595	177	69.351	214	84.106	251	98 861
30	10.728	67	25.483	104	40.239	141	54.994	178	69.749	215	84.505	252	99.260
31	11.127	68	25.882	105	40.637	142	55 393	179	70.148	216	84.904	253	99.659
32	11.525	69	26 281	106	41.036	143	55.792	180	70.547	217	85.302	254	100 058
33	11.924	70	26.680	107	41.435	144	56.190	181	70.946	218	85.701		
34	12.323	71	27.078	108	41.834	145	56.589	182	71.345	219	86.100		
35	12.722	72	27.477	109	42 233	146	56.988	183	71.743	220	86 499		
36	13.121	73	27.876	110	42.631	147	57.387	184	72.142	221	86.898		
37	13.519	74	28.275	111	43.030	148	57.786	185	72.541	222	87.296		

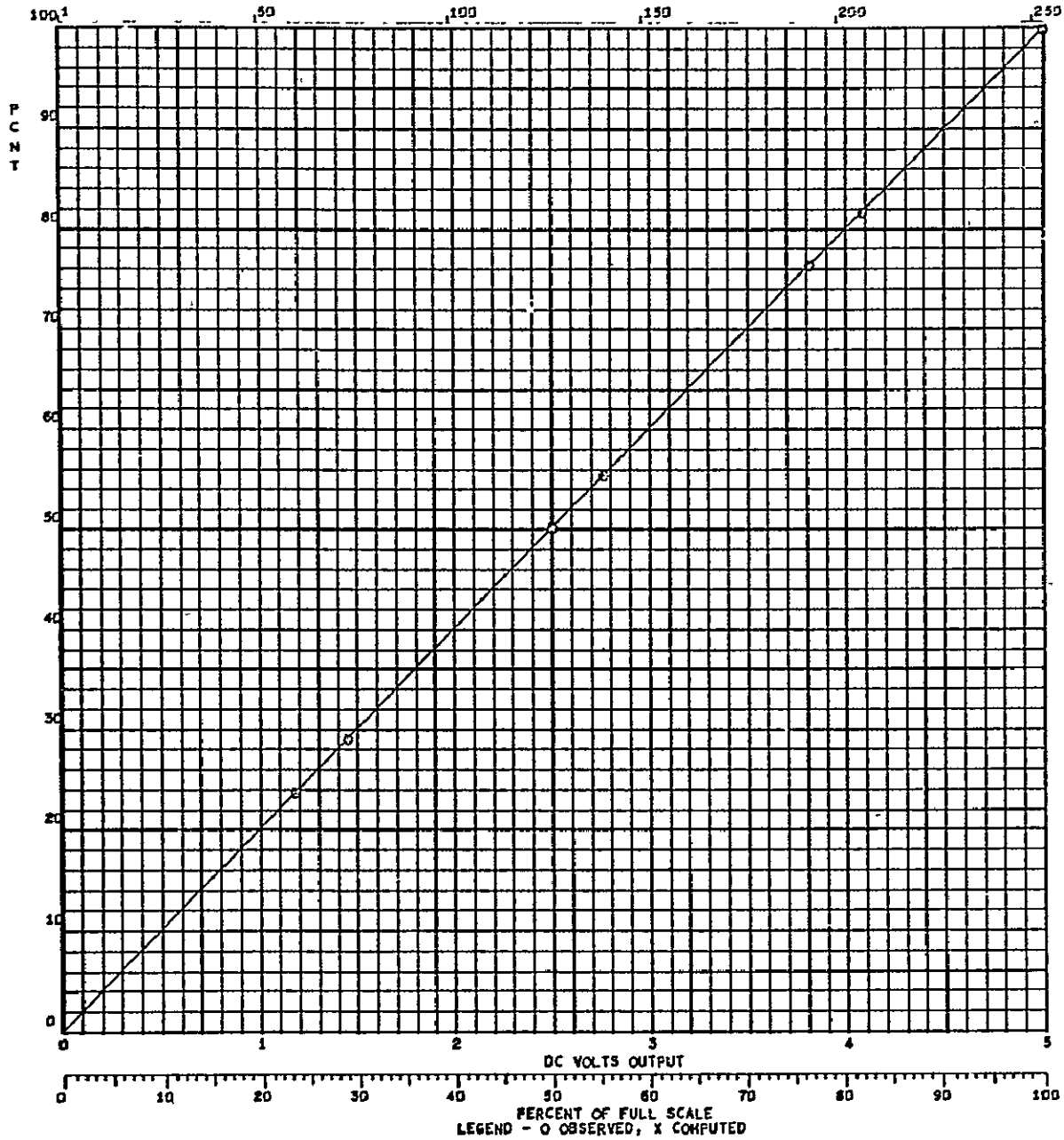
09/27/71
1 INSTALLATION DATE MARCH 19,1969
QUAN SM RCS PRO SYS C
CAL RANGE -.161904 TO 99.8180

SC-113

HARDWARE CALIB. NO. 76909 20 00 00

SERIAL NO. 10308802667A

=21515



EQUATION COEFFICIENTS

A_0= 2.371 E-01
A_1= 1.995 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% = 2.371E-01
20% = 2.019E 01
40% = 4.013E 01
50% = 5.011E 01
60% = 6.008E 01
80% = 8.003E 01
100% = 9.998E 01

MEASUREMENT NO.
200SR5027021

MEAS LOADING NO.
1034116 12 20

This is a multiple mode measurement. It is two of three options. Dependent factor is 70°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-233).

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS C

MEASUREMENT NO. 2905R5027021
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802667A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/19/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	0.237	38	14.824	75	29.410	112	43.997	149	58.583	186	73.170	223	87.756
2	0.631	39	15.218	76	29.804	113	44.391	150	58.978	187	73.564	224	88.151
3	1.026	40	15.612	77	30.199	114	44.785	151	59.372	188	73.958	225	88.545
4	1.420	41	16.006	78	30.593	115	45.179	152	59.766	189	74.353	226	88.939
5	1.814	42	16 401	79	30.987	116	45.574	153	60.160	190	74.747	227	89.333
6	2.208	43	16.795	80	31.381	117	45.968	154	60.554	191	75.141	228	89.728
7	2.602	44	17.189	81	31.776	118	46.362	155	60.949	192	75.535	229	90.122
8	2.997	45	17.583	82	32.170	119	46.756	156	61.343	193	75.929	230	90.516
9	3.391	46	17.977	83	32.564	120	47.151	157	61.737	194	76.324	231	90.910
10	3.785	47	18.372	84	32.958	121	47.545	158	62.131	195	76.718	232	91.305
11	4.179	48	18.766	85	33.352	122	47.939	159	62.526	196	77.112	233	91.699
12	4.574	49	19.160	86	33.747	123	48.333	160	62.920	197	77.506	234	92.093
13	4.968	50	19.554	87	34.141	124	48.728	161	63.314	198	77.901	235	92.487
14	5.362	51	19.949	88	34.535	125	49.122	162	63.708	199	78.295	236	92.881
15	5.756	52	20.343	89	34.929	126	49.516	163	64.103	200	78.689	237	93.276
16	6.151	53	20.737	90	35.324	127	49.910	164	64.497	201	79.083	238	93.670
17	6.545	54	21.131	91	35.718	128	50.304	165	64.891	202	79.478	239	94.064
18	6.939	55	21.526	92	36.112	129	50.699	166	65.285	203	79.872	240	94.458
19	7.333	56	21.920	93	36.506	130	51.093	167	65.679	204	80.266	241	94.853
20	7.727	57	22.314	94	36.901	131	51.487	168	66.074	205	80.660	242	95.247
21	8.122	58	22.708	95	37.295	132	51.881	169	66.468	206	81.054	243	95.641
22	8.516	59	23.102	96	37.689	133	52.276	170	66 862	207	81.449	244	96.035
23	8.910	60	23.497	97	38.083	134	52.670	171	67.256	208	81.843	245	96.430
24	9.304	61	23.891	98	38.477	135	53.064	172	67.651	209	82.237	246	96.824
25	9.699	62	24.285	99	38.872	136	53.458	173	68 045	210	82.631	247	97.218
26	10.093	63	24.679	100	39.266	137	53.853	174	68.439	211	83.026	248	97.612
27	10.487	64	25.074	101	39.660	138	54.247	175	68 833	212	83.420	249	98.006
28	10.881	65	25.468	102	40.054	139	54.641	176	69.228	213	83.814	250	98.401
29	11.276	66	25 862	103	40.449	140	55.035	177	69.622	214	84.208	251	98.795
30	11.670	67	26.256	104	40.843	141	55.429	178	70.016	215	84.603	252	99.189
31	12.064	68	26.651	105	41.237	142	55.824	179	70.410	216	84.997	253	99.583
32	12.458	69	27.045	106	41.631	143	56.218	180	70.804	217	85.391	254	99.978
33	12.852	70	27.439	107	42.026	144	56.612	181	71.199	218	85.785		
34	13.247	71	27.833	108	42.420	145	57.006	182	71.593	219	86.179		
35	13.641	72	28.227	109	42.814	146	57.401	183	71.987	220	86.574		
36	14.035	73	28.622	110	43.208	147	57.795	184	72.381	221	86.968		
37	14.429	74	29 016	111	43.603	148	58.189	185	72.776	222	87.362		

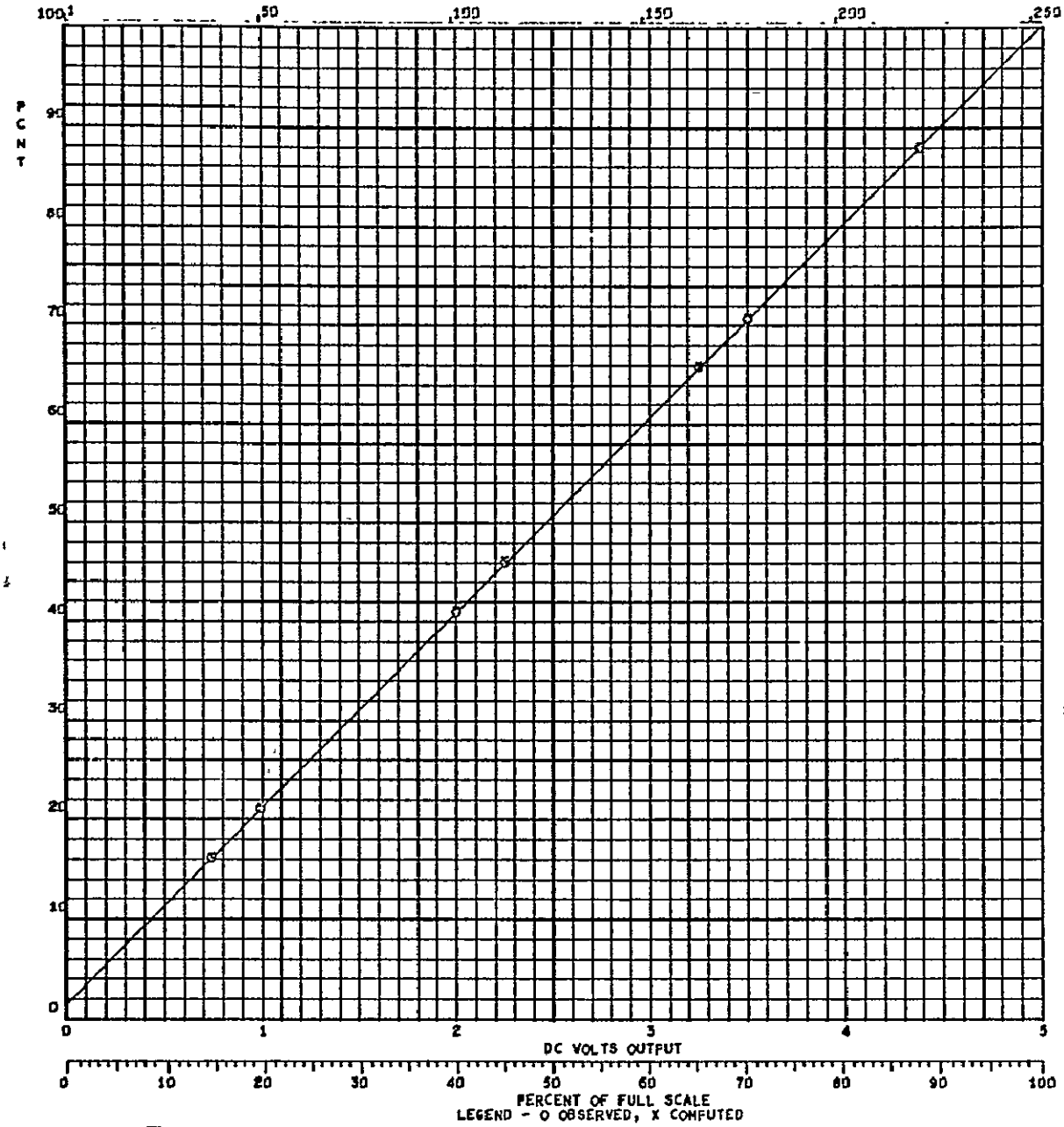
09/27/71
1 INSTALLATION DATE MARCH 19,1969
QUAN SM RCS PRO SYS C
CAL RANGE -6.38425 TO 86.0605

SC-113

HARDWARE CALIB. NO. 76909 30 00 00

SERIAL NO. 10308802667A

#21515



EQUATION COEFFICIENTS

A_0= 1.524 E 00

A_1= 1.977 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = 1.524E 00

20% = 2.129E 01

40% = 4.107E 01

50% = 5.095E 01

60% = 6.084E 01

80% = 8.061E 01

100% = 1.004E 02

MEASUREMENT NO.

200SR5027Q31

MEAS LOADING NO.

1034116 12 20

This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-233)

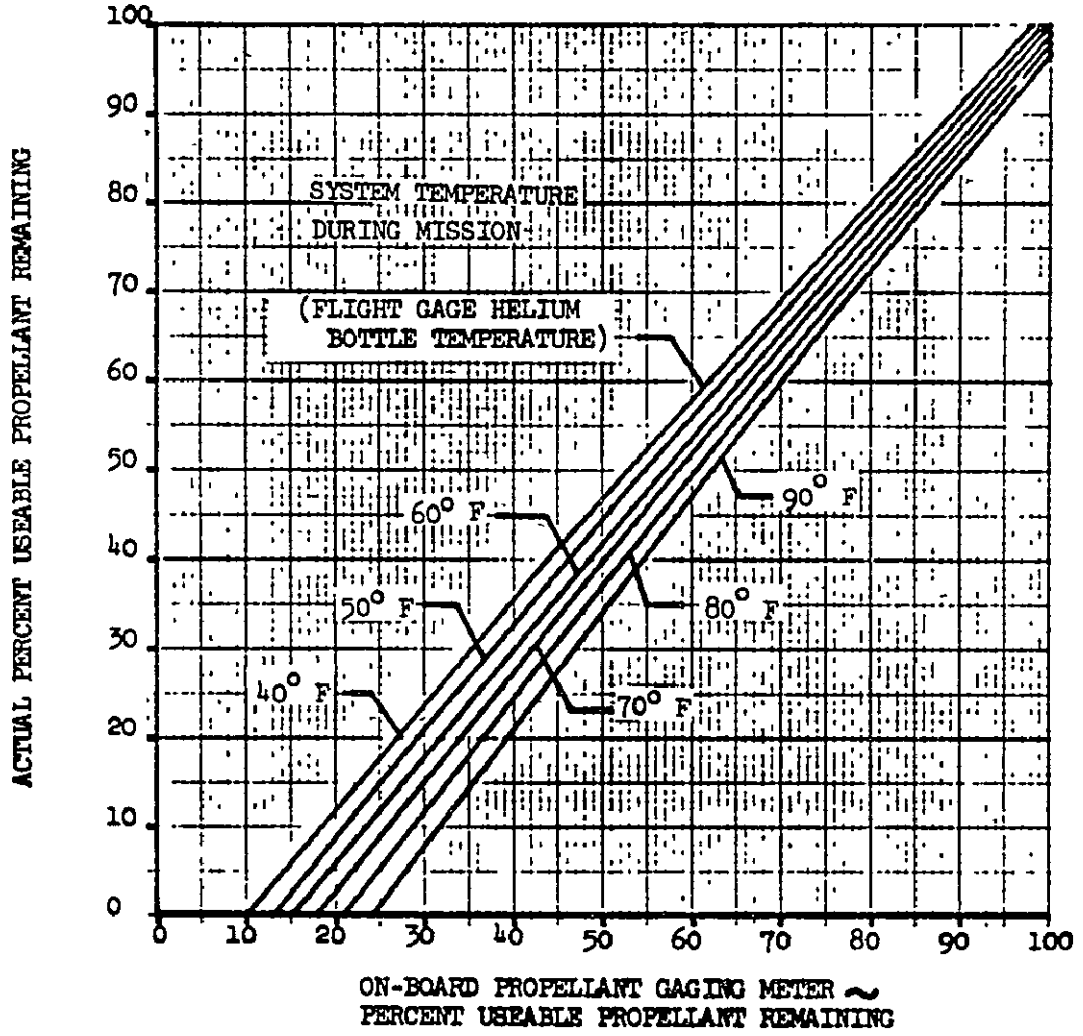
CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS C

MEASUREMENT NO. 200SR5027031
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802667A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/19/69

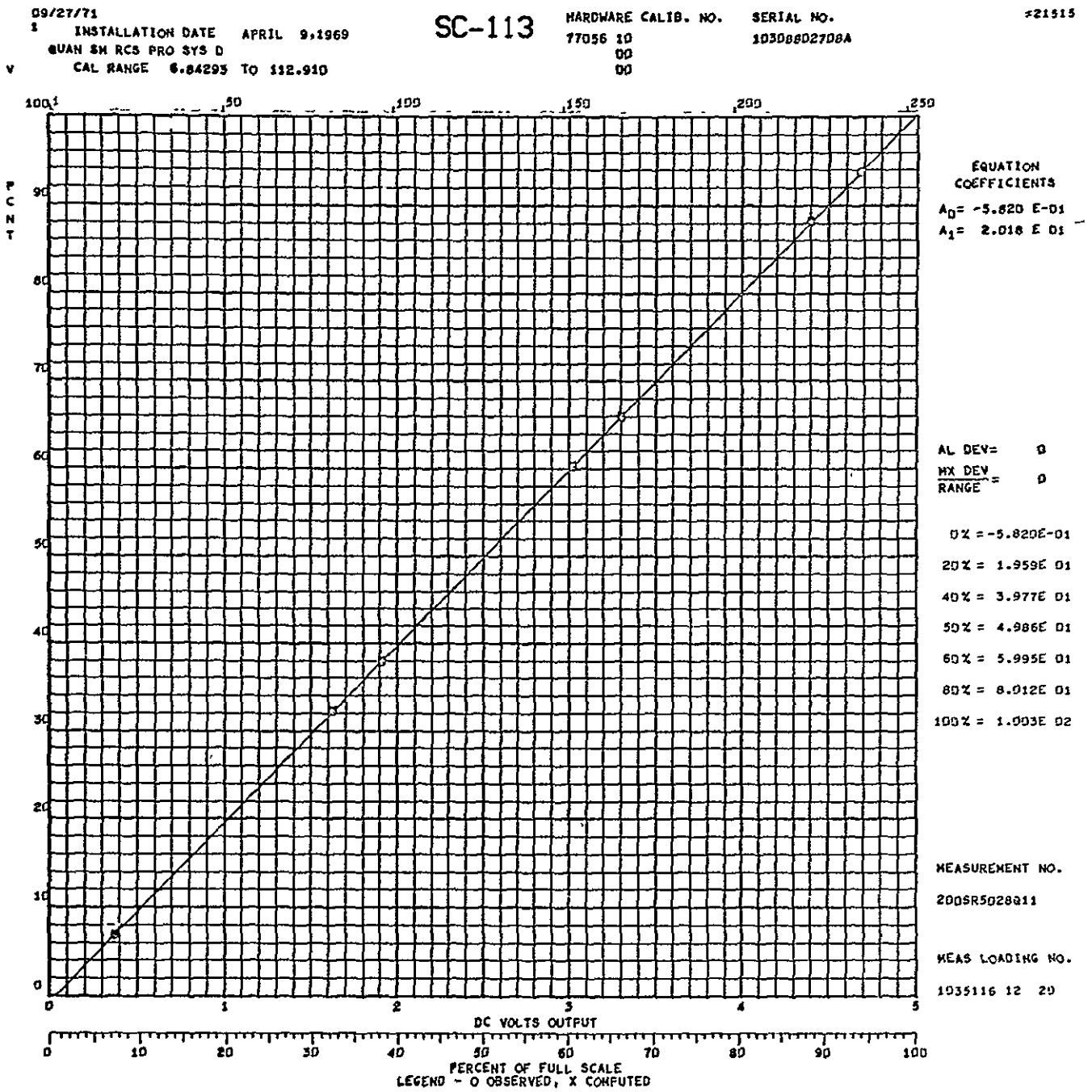
CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	1.524	38	15.981	75	30.438	112	44.895	149	59.351	186	73.808	223	88 265
2	1.915	39	16.372	76	30.828	113	45.285	150	59.742	187	74.199	224	88.656
3	2.305	40	16.762	77	31.219	114	45.676	151	60.133	188	74.590	225	89 046
4	2.696	41	17.153	78	31.610	115	46.067	152	60.524	189	74.980	226	89.437
5	3.087	42	17.544	79	32.001	116	46.457	153	60.914	190	75.371	227	89.828
6	3.478	43	17.934	80	32.391	117	46.848	154	61.305	191	75.762	228	90.219
7	3.868	44	18.325	81	32.782	118	47.239	155	61.696	192	76.153	229	90.609
8	4.259	45	18.716	82	33.173	119	47.630	156	62.086	193	76.543	230	91.000
9	4.650	46	19.107	83	33.563	120	48.020	157	62.477	194	76.934	231	91.391
10	5.041	47	19.497	84	33.954	121	48.411	158	62.868	195	77.325	232	91.782
11	5.431	48	19.888	85	34.345	122	48.802	159	63.259	196	77.715	233	92.172
12	5.822	49	20.279	86	34.736	123	49.192	160	63.649	197	78.106	234	92.563
13	6.213	50	20.670	87	35.126	124	49.583	161	64.040	198	78.497	235	92.954
14	6.603	51	21.060	88	35.517	125	49.974	162	64.431	199	78.888	236	93.344
15	6.994	52	21.451	89	35.908	126	50.365	163	64.821	200	79.278	237	93.735
16	7.385	53	21.842	90	36.299	127	50.755	164	65.212	201	79.669	238	94.126
17	7.776	54	22.232	91	36.689	128	51.146	165	65.603	202	80.060	239	94.517
18	8.166	55	22.623	92	37.080	129	51.537	166	65.994	203	80.450	240	94.907
19	8.557	56	23 014	93	37.471	130	51.928	167	66.384	204	80.841	241	95.298
20	8.948	57	23.405	94	37.861	131	52.318	168	66.775	205	81.232	242	95.689
21	9.339	58	23.795	95	38 252	132	52.709	169	67.166	206	81.623	243	96 080
22	9.729	59	24.186	96	38.643	133	53.100	170	67.557	207	82.013	244	96.470
23	10.120	60	24.577	97	39.034	134	53.490	171	67.947	208	82.404	245	96 861
24	10.511	61	24.968	98	39.424	135	53.881	172	68.338	209	82.795	246	97.252
25	10.901	62	25.358	99	39.815	136	54.272	173	68.729	210	83.186	247	97.642
26	11.292	63	25.749	100	40.206	137	54.663	174	69.119	211	83.576	248	98.033
27	11.683	64	26.140	101	40.597	138	55.053	175	69.510	212	83.967	249	98.424
28	12.074	65	26 530	102	40.987	139	55.444	176	69.901	213	84 358	250	98.815
29	12.464	66	26.921	103	41.378	140	55.835	177	70.292	214	84.748	251	99.205
30	12.855	67	27 312	104	41.769	141	56.226	178	70.682	215	85.139	252	99.596
31	13.246	68	27.703	105	42.159	142	56 616	179	71.073	216	85.530	253	99.987
32	13.637	69	28.093	106	42.550	143	57.007	180	71.464	217	85.921	254	100.378
33	14.027	70	28.484	107	42.941	144	57.398	181	71.855	218	86.311		
34	14.418	71	28.875	108	43.332	145	57.788	182	72.245	219	86.702		
35	14.809	72	29.266	109	43.722	146	58.179	183	72.636	220	87.093		
36	15.199	73	29.656	110	44.113	147	58.570	184	73.027	221	87.484		
37	15.590	74	30.047	111	44.504	148	58.961	185	73.417	222	87.874		

MINUS 2 SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.

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This is a multiple mode measurement. It is one of three options. Dependent factor is 40°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-241)

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS D

MEASUREMENT NO 2015R5028811
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802708A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/09/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	-0.582	38	14.172	75	28.925	112	43.679	149	58.432	186	73.186	223	87.939
2	-0.183	39	14.570	76	29.324	113	44.077	150	58.831	187	73.584	224	88.338
3	0.215	40	14.969	77	29.722	114	44.476	151	59.229	188	73.983	225	88.736
4	0.614	41	15.368	78	30.121	115	44.875	152	59.628	189	74.382	226	89 135
5	1.013	42	15.766	79	30.520	116	45.273	153	60.027	190	74.780	227	89.534
6	1.412	43	16.165	80	30.919	117	45.672	154	60.426	191	75.179	228	89.933
7	1.810	44	16.564	81	31.317	118	46.071	155	60.824	192	75.578	229	90.331
8	2.209	45	16.963	82	31.716	119	46.470	156	61.223	193	75.977	230	90.730
9	2.608	46	17.361	83	32.115	120	46.868	157	61.622	194	76.375	231	91.129
10	3.007	47	17.760	84	32.514	121	47.267	158	62.021	195	76.774	232	91.528
11	3.405	48	18.159	85	32.912	122	47.666	159	62.419	196	77.173	233	91.926
12	3.804	49	18.558	86	33.311	123	48.065	160	62.818	197	77.572	234	92.325
13	4.203	50	18.956	87	33.710	124	48.463	161	63.217	198	77.970	235	92.724
14	4.602	51	19.355	88	34.109	125	48.862	162	63.616	199	78.369	236	93.123
15	5 000	52	19.754	89	34.507	126	49.261	163	64.014	200	78.768	237	93.521
16	5.399	53	20.153	90	34.906	127	49.660	164	64.413	201	79.167	238	93.920
17	5.798	54	20.551	91	35.305	128	50.058	165	64.812	202	79.565	239	94.319
18	6.197	55	20.950	92	35.704	129	50.457	166	65.211	203	79.964	240	94.718
19	6.595	56	21.349	93	36.102	130	50.856	167	65.609	204	80.363	241	95.116
20	6.994	57	21.748	94	36.501	131	51.255	168	66.008	205	80.762	242	95.515
21	7.393	58	22.146	95	36.900	132	51.653	169	66.407	206	81.160	243	95.914
22	7.792	59	22.545	96	37.299	133	52.052	170	66.806	207	81.559	244	96 313
23	8.190	60	22.944	97	37.697	134	52.451	171	67.204	208	81.958	245	96.711
24	8.589	61	23.343	98	38.096	135	52.850	172	67.603	209	82.357	246	97.110
25	8.988	62	23.741	99	38.495	136	53 248	173	68.002	210	82.755	247	97.509
26	9.387	63	24.140	100	38.894	137	53.647	174	68.401	211	83.154	248	97.908
27	9.785	64	24.539	101	39.292	138	54.046	175	68 799	212	83.553	249	98.306
28	10.184	65	24.938	102	39 691	139	54.445	176	69.198	213	83.952	250	98.705
29	10.583	66	25.336	103	40.090	140	54.843	177	69.597	214	84.350	251	99.104
30	10.982	67	25.735	104	40.489	141	55.242	178	69.996	215	84.749	252	99.503
31	11.380	68	26.134	105	40.887	142	55.641	179	70.394	216	85.148	253	99 901
32	11.779	69	26.533	106	41.286	143	56.040	180	70.793	217	85.547	254	100.300
33	12.178	70	26 931	107	41.685	144	56.438	181	71.192	218	85.945		
34	12.577	71	27.330	108	42.084	145	56.837	182	71.591	219	86.344		
35	12.975	72	27.729	109	42.482	146	57.236	183	71.989	220	86.743		
36	13.374	73	28.128	110	42.881	147	57.635	184	72.388	221	87.142		
37	13.773	74	28.526	111	43.280	148	58.033	185	72.787	222	87.540		

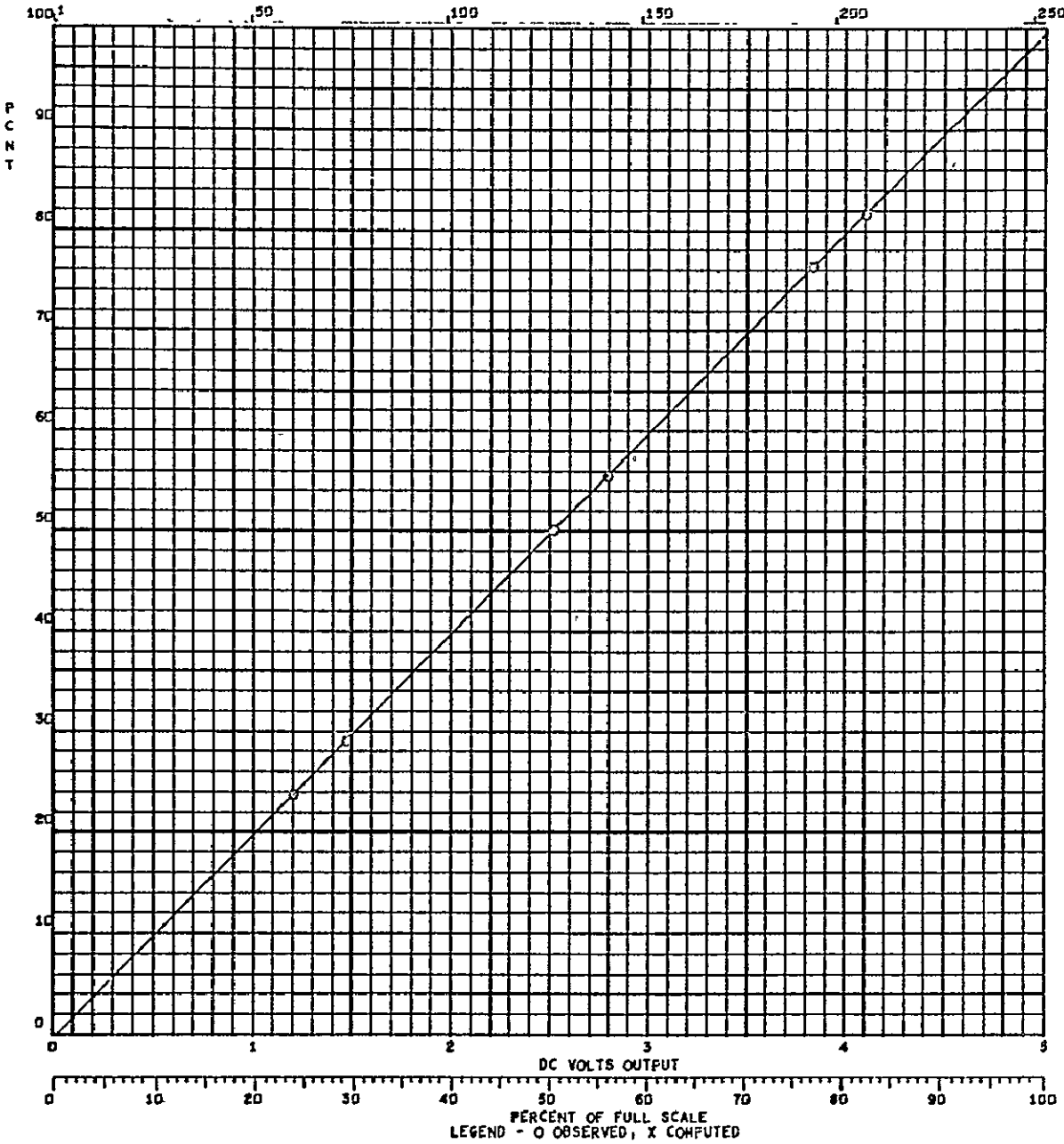
09/27/71
1 INSTALLATION DATE APRIL 9,1969
QUAN SM RCS PRO SYS D
CAL RANGE -.197001 TO 99.7904

SC-113

HARDWARE CALIB. NO. 77056 20 00 00

SERIAL NO. 10308802708A

=21515



EQUATION COEFFICIENTS

A_0= -2.968 E-01

A_1= 1.996 E 01

AL DEV= 0

MX DEV / RANGE = 0

0% =-2.968E-01

20% = 1.966E 01

40% = 3.963E 01

50% = 4.961E 01

60% = 5.959E 01

80% = 7.955E 01

100% = 9.951E 01

MEASUREMENT NO.

200SR5028021

MEAS LOADING NO.

1935116 12 20

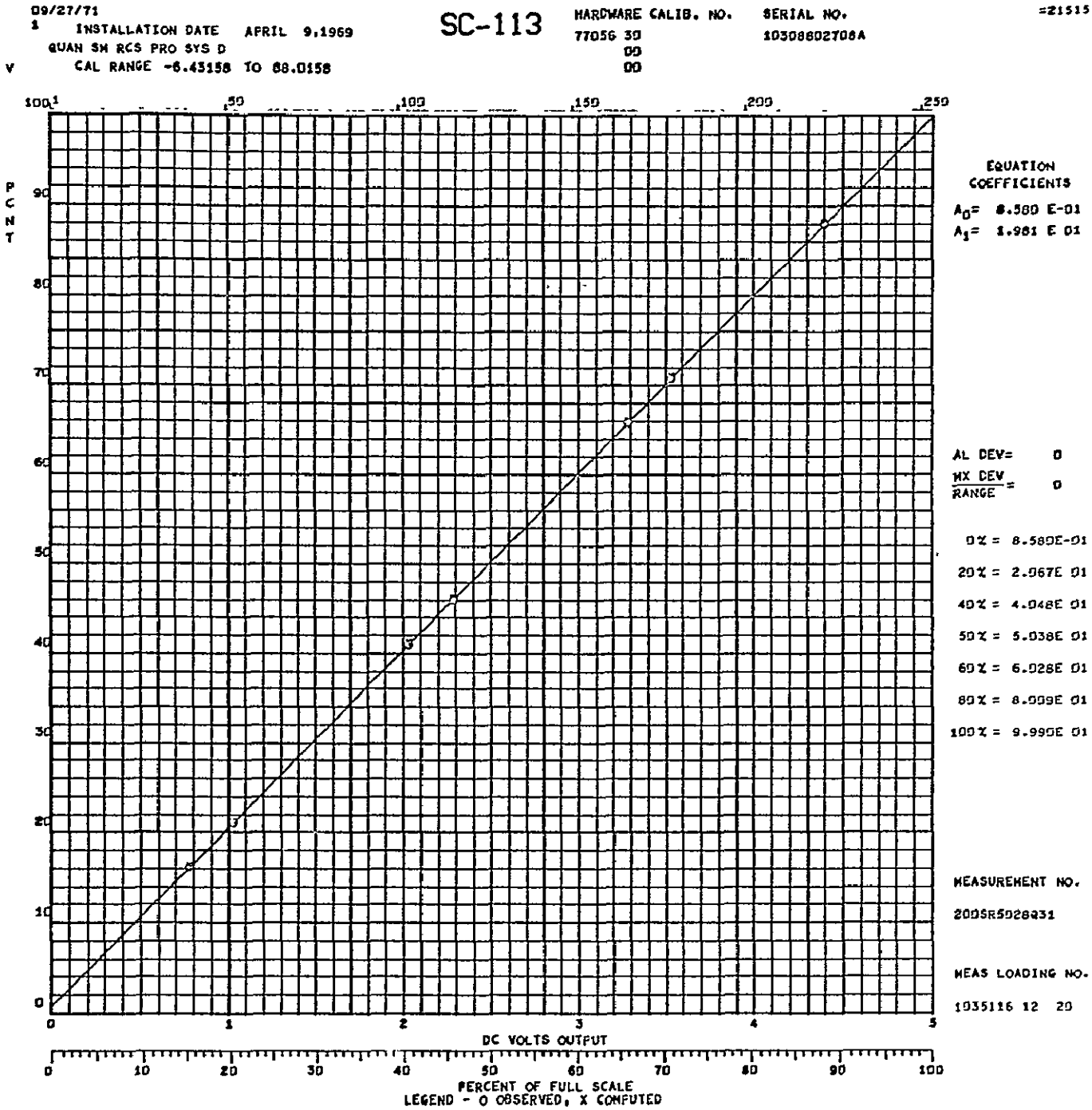
This is a multiple mode measurement. It is two of three options. Dependent factor is 70°F Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-241)

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS D

MEASUREMENT NO. 200SR5028021
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308802708A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/09/69

CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1	-0.297	38	14.300	75	28.896	112	43.492	149	58.089	186	72.685	223	87 282
2	0.098	39	14.694	76	29 290	113	43.887	150	58.483	187	73.080	224	87.676
3	0 492	40	15.089	77	29.685	114	44.281	151	58.878	188	73.474	225	88.071
4	0.887	41	15.483	78	30.079	115	44.676	152	59.272	189	73.869	226	88.465
5	1.281	42	15.878	79	30.474	116	45.070	153	59.667	190	74.263	227	88.860
6	1.676	43	16.272	80	30.868	117	45.465	154	60.061	191	74.658	228	89.254
7	2.070	44	16.667	81	31.263	118	45.859	155	60.456	192	75.052	229	89 649
8	2.465	45	17.061	82	31.657	119	46.254	156	60.850	193	75.447	230	90.043
9	2.859	46	17.456	83	32.052	120	46.648	157	61.245	194	75.841	231	90 438
10	3 254	47	17.850	84	32.446	121	47.043	158	61.639	195	76.236	232	90.832
11	3 648	48	18.245	85	32.841	122	47.437	159	62.034	196	76.630	233	91.227
12	4.043	49	18.639	86	33.235	123	47.832	160	62.428	197	77.025	234	91.621
13	4.437	50	19.034	87	33 630	124	48.226	161	62.823	198	77.419	235	92.015
14	4.832	51	19.428	88	34.024	125	48.621	162	63.217	199	77.814	236	92.410
15	5 226	52	19.823	89	34.419	126	49.015	163	63.612	200	78.208	237	92.804
16	5.621	53	20.217	90	34.813	127	49.410	164	64.006	201	78.603	238	93.199
17	6 015	54	20.612	91	35.208	128	49.804	165	64.401	202	78.997	239	93.593
18	6.410	55	21.006	92	35.602	129	50.199	166	64.795	203	79.392	240	93.988
19	6.804	56	21.401	93	35.997	130	50.593	167	65.190	204	79.786	241	94.382
20	7.199	57	21.795	94	36.391	131	50.988	168	65.584	205	80.181	242	94.777
21	7.593	58	22.190	95	36.786	132	51.382	169	65.979	206	80.575	243	95.171
22	7.988	59	22.584	96	37.180	133	51.777	170	66.373	207	80.970	244	95.566
23	8.382	60	22.979	97	37.575	134	52.171	171	66.768	208	81.364	245	95.960
24	8.777	61	23.373	98	37.969	135	52.566	172	67.162	209	81.759	246	96.355
25	9.171	62	23.768	99	38.364	136	52.960	173	67.557	210	82.153	247	96.749
26	9.566	63	24.162	100	38.758	137	53.355	174	67.951	211	82.548	248	97.144
27	9.960	64	24.557	101	39.153	138	53.749	175	68.346	212	82.942	249	97.538
28	10.355	65	24.951	102	39.547	139	54.144	176	68.740	213	83.337	250	97.933
29	10.749	66	25.345	103	39 942	140	54.538	177	69.135	214	83.731	251	98.327
30	11.144	67	25.740	104	40.336	141	54.933	178	69.529	215	84.126	252	98.722
31	11.538	68	26.134	105	40.731	142	55.327	179	69.924	216	84.520	253	99.116
32	11.933	69	26.529	106	41.125	143	55.722	180	70 318	217	84.915	254	99.511
33	12.327	70	26.923	107	41.520	144	56 116	181	70.713	218	85.309		
34	12.722	71	27.318	108	41.914	145	56.511	182	71 107	219	85.704		
35	13.116	72	27.712	109	42.309	146	56.905	183	71.502	220	86.098		
36	13 511	73	28.107	110	42.703	147	57.300	184	71.896	221	86.493		
37	13.905	74	28.501	111	43.098	148	57.694	185	72.291	222	86.887		



This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 6-241)

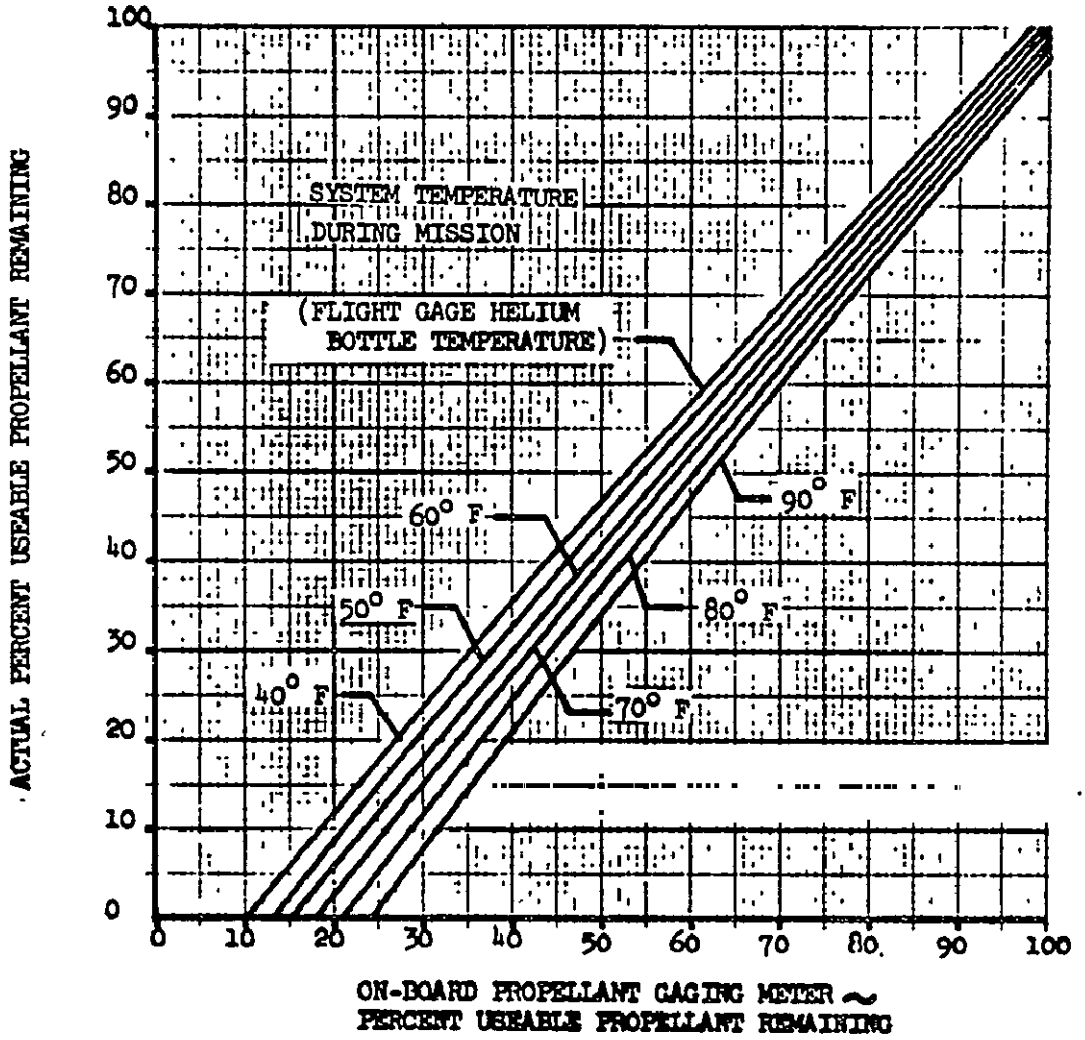
CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

QUAN SM RCS PRO SYS D

MEASUREMENT NO. 2D0SR5028031
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103088027038A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/09/69

CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT	CNT	FCNT
1	0.850	38	15.343	75	29.827	112	44.312	149	58.796	186	73.281	223	87.765
2	1.249	39	15.734	76	30 219	113	44.703	150	59.188	187	73.672	224	88.157
3	1.641	40	16.125	77	30.610	114	45.095	151	59.579	188	74.064	225	88.548
4	2.032	41	16.517	78	31.002	115	45.486	152	59.971	189	74.455	226	88.940
5	2.424	42	16.908	79	31.393	116	45.878	153	60.362	190	74.847	227	89.331
6	2.815	43	17.300	80	31.784	117	46.269	154	60.754	191	75.238	228	89.723
7	3.207	44	17.691	81	32.176	118	46.660	155	61.145	192	75.630	229	90.114
8	3.598	45	18.083	82	32.567	119	47.052	156	61.537	193	76.021	230	90.506
9	3.990	46	18.474	83	32.959	120	47.443	157	61.928	194	76.413	231	90.897
10	4.381	47	18.866	84	33.350	121	47.835	158	62.319	195	76.804	232	91.289
11	4.773	48	19.257	85	33.742	122	48.226	159	62.711	196	77.196	233	91.680
12	5.164	49	19.649	86	34.133	123	48.618	160	63.102	197	77.587	234	92.072
13	5.556	50	20 040	87	34.525	124	49.009	161	63.494	198	77.978	235	92.463
14	5.947	51	20.432	88	34.916	125	49.401	162	63.885	199	78.370	236	92.854
15	6.339	52	20.823	89	35.308	126	49.792	163	64.277	200	78.761	237	93.246
16	6.730	53	21.215	90	35.699	127	50.184	164	64.668	201	79.153	238	93.637
17	7.122	54	21.606	91	36.091	128	50.575	165	65.060	202	79.544	239	94.029
18	7.513	55	21.998	92	36.482	129	50.967	166	65.451	203	79.936	240	94.420
19	7.905	56	22.389	93	36.874	130	51.358	167	65.843	204	80.327	241	94.812
20	8 296	57	22.781	94	37.265	131	51.750	168	66.234	205	80.719	242	95.203
21	8.687	58	23.172	95	37.657	132	52.141	169	66.626	206	81.110	243	95.595
22	9.079	59	23.564	96	38 048	133	52.533	170	67.017	207	81.502	244	95.986
23	9.470	60	23.955	97	38.440	134	52.924	171	67.409	208	81.893	245	96.378
24	9.862	61	24.346	98	38.831	135	53.316	172	67.800	209	82.285	246	96.769
25	10.253	62	24.738	99	39.222	136	53.707	173	68.192	210	82.676	247	97.161
26	10.645	63	25.129	100	39.614	137	54 099	174	68.583	211	83.068	248	97.552
27	11.036	64	25.521	101	40.005	138	54.490	175	68.975	212	83 459	249	97.944
28	11.428	65	25.912	102	40.397	139	54.881	176	69.366	213	83.851	250	98.335
29	11.819	66	26.304	103	40.788	140	55.273	177	69.757	214	84.242	251	98.727
30	12.211	67	26.695	104	41.180	141	55.664	178	70.149	215	84.634	252	99.118
31	12.602	68	27.087	105	41.571	142	56.056	179	70.540	216	85.025	253	99.510
32	12.994	69	27.478	106	41.963	143	56.447	180	70.932	217	85.416	254	99.901
33	13.385	70	27.870	107	42.354	144	56.839	181	71.323	218	85.808		
34	13.777	71	28 261	108	42.746	145	57.230	182	71.715	219	86.199		
35	14.168	72	28 653	109	43.137	146	57.622	183	72.106	220	86.591		
36	14.560	73	29.044	110	43.529	147	58.013	184	72.498	221	86.982		
37	14.951	74	29 436	111	43.920	148	58.405	185	72.889	222	87.374		

MINUS 2 σ SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.

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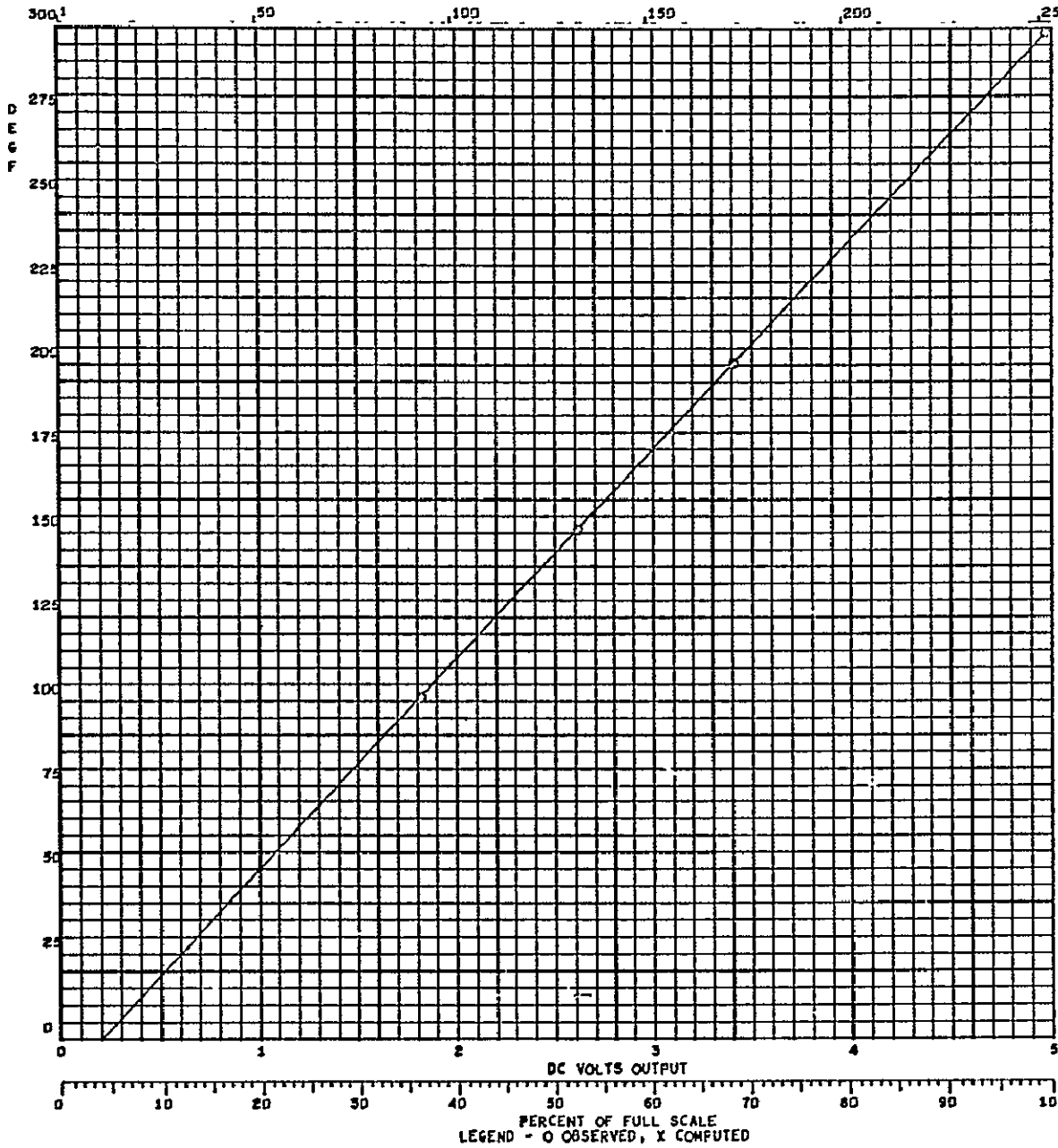
09/27/71
1 INSTALLATION DATE MARCH 20,1969
TEMP ENGINE PACKAGE A
CAL RANGE -1.38666 TO 298.606

SC-113

HARDWARE CALIB. NO. 76733 01 00 00

SERIAL NO. 10308612599A

=21515



EQUATION COEFFICIENTS

A_0= -1.266 E 01
A_1= 6.263 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -1.266E 01
20% = 4.997E 01
40% = 1.126E 02
50% = 1.439E 02
60% = 1.752E 02
80% = 2.379E 02
100% = 3.005E 02

MEASUREMENT NO.
2005R5065T01

MEAS LOADING NO.
1046052 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP ENGINE PACKAGE A

MEASUREMENT NO. 2955R5965T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103588612599A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/20/69

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	-12.660	38	33.136	75	78.932	112	124.728	149	170.524	186	216.319	223	262.115
2	-11.422	39	34.374	76	80.170	113	125.965	150	171.761	187	217.557	224	263.353
3	-10.184	40	35.611	77	81.407	114	127.203	151	172.999	188	218.795	225	264.591
4	-8.947	41	36.849	78	82.645	115	128.441	152	174.237	189	220.033	226	265.828
5	-7.709	42	38.087	79	83.883	116	129.679	153	175.474	190	221.270	227	267.066
6	-6.471	43	39.325	80	85.120	117	130.916	154	176.712	191	222.508	228	268.304
7	-5.234	44	40.562	81	86.358	118	132.154	155	177.950	192	223.746	229	269.542
8	-3.996	45	41.800	82	87.596	119	133.392	156	179.188	193	224.983	230	270.779
9	-2.758	46	43.038	83	88.834	120	134.629	157	180.425	194	226.221	231	272 017
10	-1.520	47	44.276	84	90.071	121	135.867	158	181.663	195	227.459	232	273.255
11	-0.283	48	45.513	85	91.309	122	137.105	159	182.901	196	228.697	233	274.493
12	0.955	49	46.751	86	92.547	123	138.343	160	184.139	197	229.934	234	275.730
13	2.193	50	47.989	87	93.785	124	139.580	161	185.376	198	231.172	235	276.968
14	3.431	51	49.226	88	95.022	125	140.818	162	186.614	199	232.410	236	278.206
15	4.668	52	50.464	89	96.260	126	142.056	163	187.852	200	233.648	237	279.443
16	5.906	53	51.702	90	97.498	127	143.294	164	189.089	201	234.885	238	280.681
17	7.144	54	52.940	91	98.735	128	144.531	165	190.327	202	236.123	239	281.919
18	8.381	55	54.177	92	99.973	129	145.769	166	191.565	203	237.361	240	283.157
19	9.619	56	55.415	93	101.211	130	147.007	167	192.803	204	238.598	241	284.394
20	10.857	57	56.653	94	102.449	131	148.244	168	194.040	205	239.836	242	285.632
21	12.095	58	57.891	95	103.686	132	149.482	169	195.278	206	241.074	243	286.870
22	13.332	59	59.128	96	104.924	133	150.720	170	196.516	207	242.312	244	288.108
23	14.570	60	60.366	97	106.162	134	151.958	171	197.753	208	243.549	245	289.345
24	15.808	61	61.604	98	107.400	135	153.195	172	198.991	209	244.787	246	290.583
25	17.046	62	62.841	99	108.637	136	154.433	173	200.229	210	246.025	247	291.821
26	18.283	63	64.079	100	109.875	137	155.671	174	201.467	211	247.263	248	293.058
27	19.521	64	65.317	101	111.113	138	156.909	175	202.704	212	248.500	249	294.296
28	20.759	65	66.555	102	112.350	139	158.146	176	203.942	213	249 738	250	295.534
29	21.996	66	67.792	103	113.588	140	159.384	177	205.180	214	250.976	251	296.772
30	23.234	67	69.030	104	114.826	141	160.622	178	206.418	215	252.213	252	298 009
31	24.472	68	70.268	105	116.064	142	161.859	179	207.655	216	253.451	253	299.247
32	25.710	69	71.505	106	117.301	143	163.097	180	208.893	217	254.689	254	300.485
33	26.947	70	72.743	107	118.539	144	164.335	181	210.131	218	255.927		
34	28.185	71	73.981	108	119.777	145	165.573	182	211.368	219	257.164		
35	29.423	72	75.219	109	121.015	146	166.810	183	212.606	220	258.402		
36	30.661	73	76.456	110	122.252	147	168.048	184	213.844	221	259.640		
37	31.898	74	77.694	111	123.490	148	169.286	185	215.082	222	260.878		

09/27/71

1 INSTALLATION DATE JULY 8,1961

TEMP ENGINE PACKAGE B

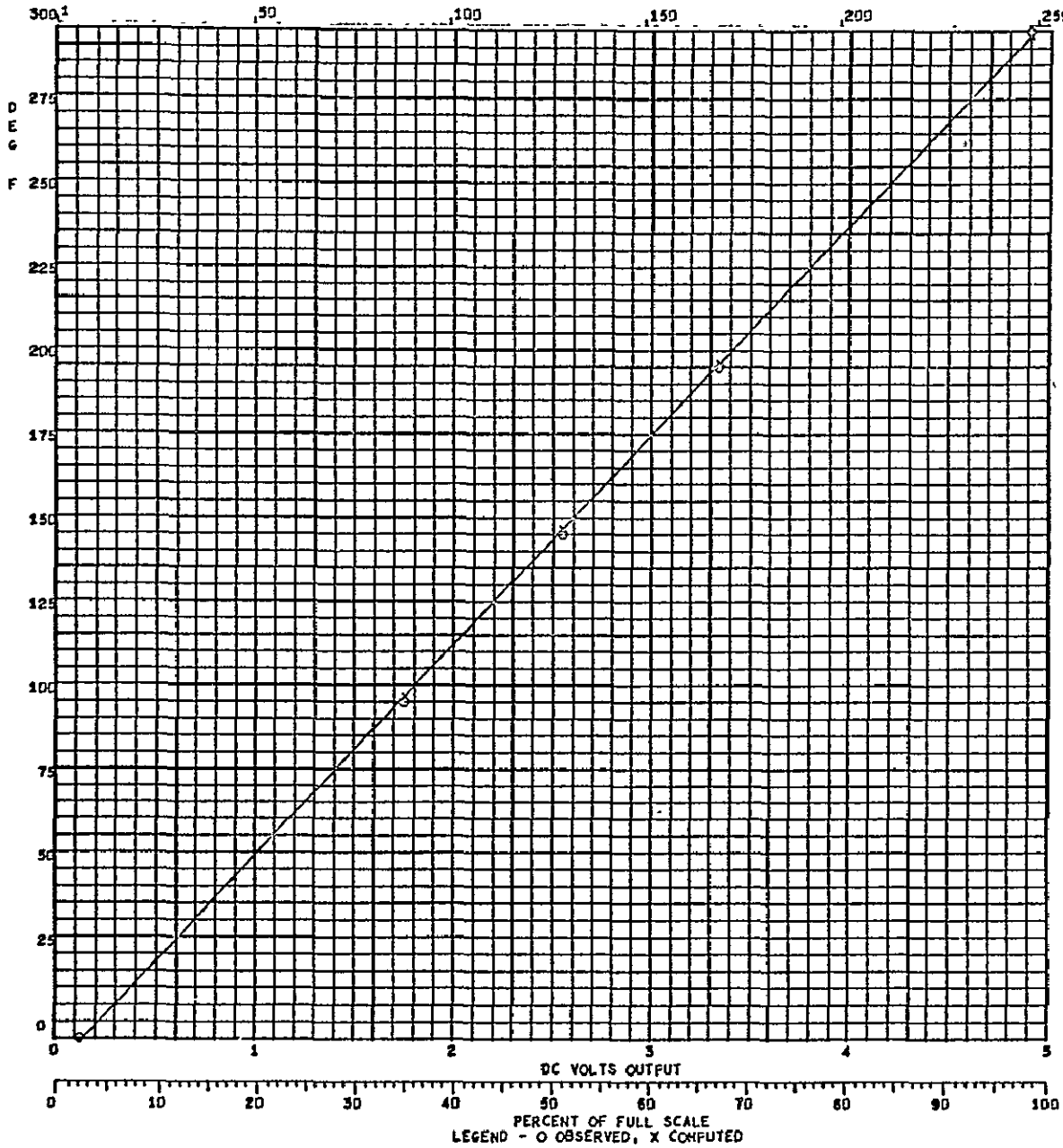
CAL RANGE D TO 300.000

SC-113

HARDWARE CALIB. NO. 75344 02 00 00

SERIAL NO. 10095442298A

=21515



EQUATION COEFFICIENTS

A_0= -8.744 E 00

A_1= 6.273 E 01

AL DEV= 1.2838

$\frac{\text{HX DEV}}{\text{RANGE}}$ = .00427

0% =-8.744E 00

20% = 5.399E 01

40% = 1.167E 02

50% = 1.481E 02

60% = 1.795E 02

80% = 2.422E 02

100% = 3.049E 02

MEASUREMENT NO.

200SR5066T02

MEAS LOADING NO.

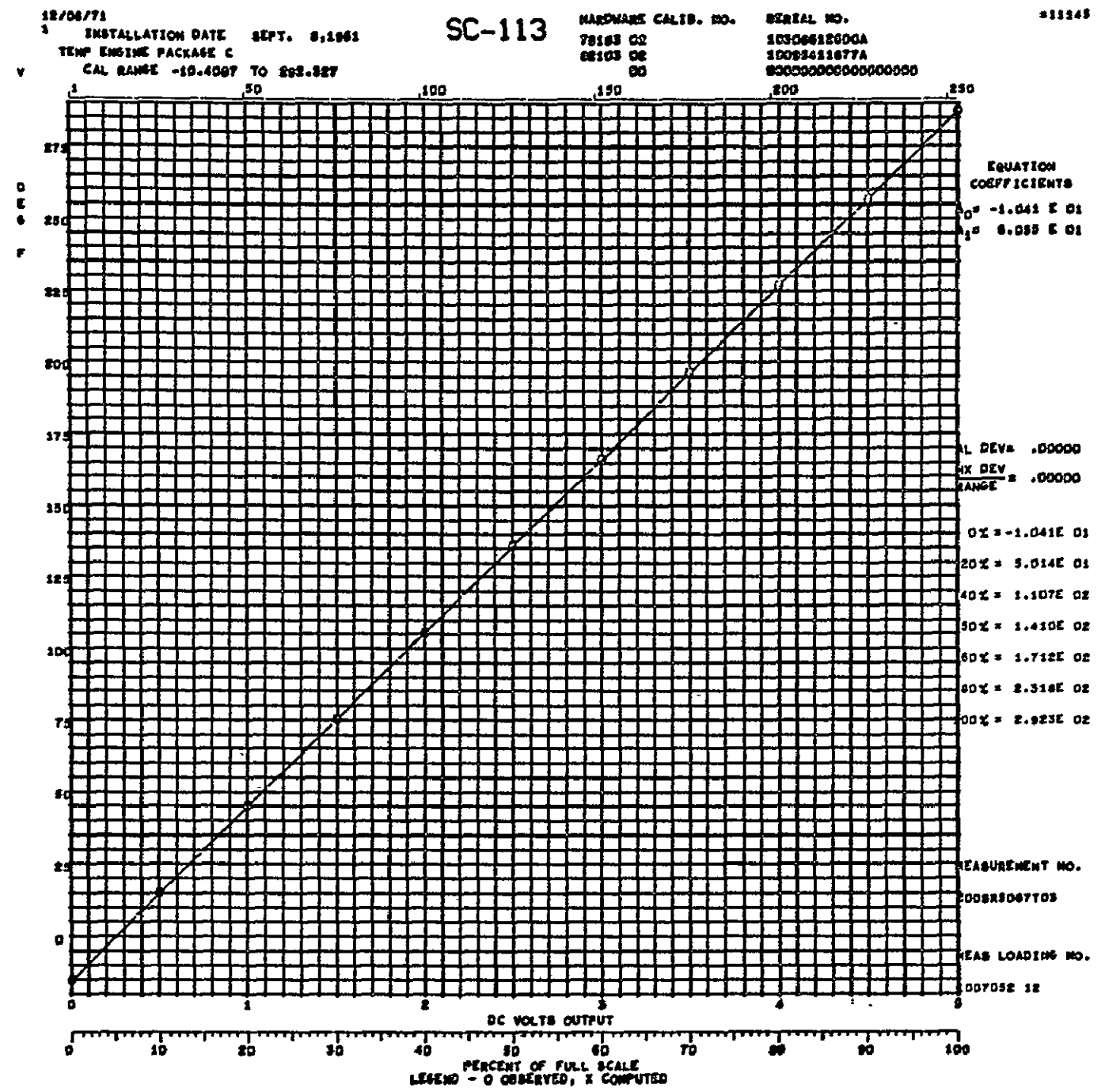
1006984 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP ENGINE PACKAGE B

MEASUREMENT NO. 200SR5066T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442298A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-8.744	38	37.129	75	83.002	112	128.876	149	174.749	186	220.622	223	266.496
2	-7.504	39	38.369	76	84.242	113	130.115	150	175.989	187	221.862	224	267.735
3	-6.265	40	39.609	77	85.482	114	131.355	151	177.229	188	223.102	225	268.975
4	-5 025	41	40.848	78	86.722	115	132.595	152	178.468	189	224.342	226	270.215
5	-3.785	42	42.088	79	87.962	116	133.835	153	179.708	190	225.582	227	271.455
6	-2.545	43	43.328	80	89.201	117	135.075	154	180.948	191	226.821	228	272.695
7	-1.305	44	44.568	81	90.441	118	136.315	155	182.188	192	228.061	229	273.935
8	-0.066	45	45.808	82	91.681	119	137.554	156	183.428	193	229.301	230	275.174
9	1.174	46	47.048	83	92.921	120	138.794	157	184.668	194	230.541	231	276.414
10	2.414	47	48.287	84	94.161	121	140.034	158	185.907	195	231.781	232	277.654
11	3.654	48	49.527	85	95.401	122	141.274	159	187.147	196	233.020	233	278.894
12	4.894	49	50.767	86	96.640	123	142.514	160	188.387	197	234.260	234	280.134
13	6.134	50	52.007	87	97.880	124	143.753	161	189.627	198	235.500	235	281.373
14	7.373	51	53.247	88	99.120	125	144.993	162	190.867	199	236.740	236	282.613
15	8 613	52	54.487	89	100.360	126	146.233	163	192.106	200	237.980	237	283.853
16	9.853	53	55.726	90	101.600	127	147.473	164	193.346	201	239.220	238	285.093
17	11.093	54	56.966	91	102.839	128	148.713	165	194.586	202	240.459	239	286.333
18	12.333	55	58.206	92	104.079	129	149.953	166	195.826	203	241.699	240	287.573
19	13.572	56	59.446	93	105.319	130	151.192	167	197.066	204	242.939	241	288.812
20	14.812	57	60.686	94	106.559	131	152.432	168	198.306	205	244.179	242	290.052
21	16.052	58	61.925	95	107.799	132	153.672	169	199.545	206	245.419	243	291.292
22	17.292	59	63.165	96	109.039	133	154.912	170	200.785	207	246.658	244	292 532
23	18.532	60	64.405	97	110.278	134	156.152	171	202.025	208	247.898	245	293.772
24	19.772	61	65.645	98	111.518	135	157.391	172	203 265	209	249 138	246	295 011
25	21.011	62	66.885	99	112.758	136	158.631	173	204.505	210	250.378	247	296.251
26	22.251	63	68.125	100	113.998	137	159.871	174	205.744	211	251.618	248	297.491
27	23.491	64	69.364	101	115.238	138	161.111	175	206.984	212	252.858	249	298.731
28	24.731	65	70.604	102	116.477	139	162.351	176	208.224	213	254.097	250	299.971
29	25.971	66	71.844	103	117.717	140	163.591	177	209.464	214	255.337	251	301 211
30	27.210	67	73.084	104	118.957	141	164.830	178	210.704	215	256.577	252	302.450
31	28.450	68	74.324	105	120.197	142	166.070	179	211.944	216	257.817	253	303 690
32	29.690	69	75.563	106	121.437	143	167.310	180	213.183	217	259.057	254	304.930
33	30.930	70	76.803	107	122.677	144	168.550	181	214.423	218	260 297		
34	32.170	71	78.043	108	123.916	145	169.790	182	215.663	219	261.536		
35	33.410	72	79.283	109	125.156	146	171.029	183	216.903	220	262.776		
36	34.649	73	80.523	110	126.396	147	172.269	184	218.143	221	264.016		
37	35.889	74	81.763	111	127.636	148	173.509	185	219.382	222	265.256		


12/06/71
1 INSTALLATION DATE SEPT. 8,1961
TEMP ENGINE PACKAGE C
CAL RANGE -10.4007 TO 292.827
SC-113
HARDWARE CALIB. NO.
78163 02
88103 06
00
SERIAL NO.
1030661260GA
100934116774
0000000000000000
#11145
EQUATION COEFFICIENTS
AL DEV= .00000
MX DEV RANGE= .00000
0% = -1.041E 01
20% = 5.014E 01
40% = 1.107E 02
50% = 1.410E 02
60% = 1.712E 02
80% = 2.318E 02
100% = 2.923E 02
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP ENGINE PACKAGE C

MEASUREMENT NO. 2003R5067T03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612800A
SIGNAL CONDITIONER SERIAL NO. 10095411877A
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 09/06/01

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-10.409	38	33.865	75	78.138	112	122.412	149	166.686	186	210.959	223	255.233
2	-9.212	39	35.061	76	79.335	113	123.609	150	167.882	187	212.156	224	256.429
3	-8.016	40	36.258	77	80.532	114	124.805	151	169.079	188	213.352	225	257.626
4	-6.819	41	37.455	78	81.728	115	126.002	152	170.275	189	214.549	226	258.822
5	-5.622	42	38.651	79	82.925	116	127.198	153	171.472	190	215.745	227	260.019
6	-4.426	43	39.848	80	84.121	117	128.395	154	172.668	191	216.942	228	261.216
7	-3.229	44	41.044	81	85.318	118	129.591	155	173.865	192	218.139	229	262.412
8	-2.033	45	42.241	82	86.515	119	130.788	156	175.062	193	219.335	230	263.609
9	-0.836	46	43.438	83	87.711	120	131.985	157	176.258	194	220.532	231	264.805
10	0.361	47	44.634	84	88.908	121	133.181	158	177.455	195	221.728	232	266.002
11	1.557	48	45.831	85	90.104	122	134.378	159	178 651	196	222.925	233	267.199
12	2.754	49	47.027	86	91.301	123	135.574	160	179.848	197	224.122	234	268.395
13	3.950	50	48.224	87	92.497	124	136.771	161	181.045	198	225.318	235	269.592
14	5.147	51	49.420	88	93.694	125	137.968	162	182.241	199	226.515	236	270.788
15	6.343	52	50.617	89	94.891	126	139.164	163	183.438	200	227.711	237	271.985
16	7.540	53	51.814	90	96.087	127	140.361	164	184.634	201	228.908	238	273.181
17	8.737	54	53.010	91	97.284	128	141.557	165	185.831	202	230.104	239	274.378
18	9.933	55	54.207	92	98.480	129	142.754	166	187.027	203	231.301	240	275.575
19	11.130	56	55.403	93	99.677	130	143.950	167	188 224	204	232.498	241	276.771
20	12.326	57	56.600	94	100.874	131	145.147	168	189.421	205	233.694	242	277.968
21	13.523	58	57.797	95	102.070	132	146.344	169	190.617	206	234.891	243	279.164
22	14.720	59	58.993	96	103.267	133	147.540	170	191.814	207	236.087	244	280.361
23	15.916	60	60.190	97	104.463	134	148.737	171	193.010	208	237.284	245	281.558
24	17.113	61	61.386	98	105.660	135	149.933	172	194.207	209	238.481	246	282.754
25	18.309	62	62.583	99	106.856	136	151.130	173	195.404	210	239.677	247	283.951
26	19.506	63	63.779	100	108.053	137	152.327	174	196.600	211	240.874	248	285.147
27	20.702	64	64.976	101	109.250	138	153.523	175	197.797	212	242.070	249	286.344
28	21.899	65	66.173	102	110.446	139	154.720	176	198.993	213	243.267	250	287.540
29	23.096	66	67.369	103	111.643	140	155.916	177	200.190	214	244.463	251	288.737
30	24.292	67	68.566	104	112.839	141	157.113	178	201.386	215	245.660	252	289.934
31	25.489	68	69.762	105	114.036	142	158.309	179	202.583	216	246.857	253	291.130
32	26.685	69	70.959	106	115.233	143	159.506	180	203.780	217	248.053	254	292.327
33	27.882	70	72.156	107	116.429	144	160.703	181	204.976	218	249.250		
34	29.079	71	73.352	108	117.626	145	161.899	182	206.173	219	250.446		
35	30.275	72	74.549	109	118.822	146	163.096	183	207.369	220	251 643		
36	31.472	73	75.745	110	120.019	147	164.292	184	208.566	221	252.840		
37	32.668	74	76.942	111	121.215	148	165.489	185	209.763	222	254.036		

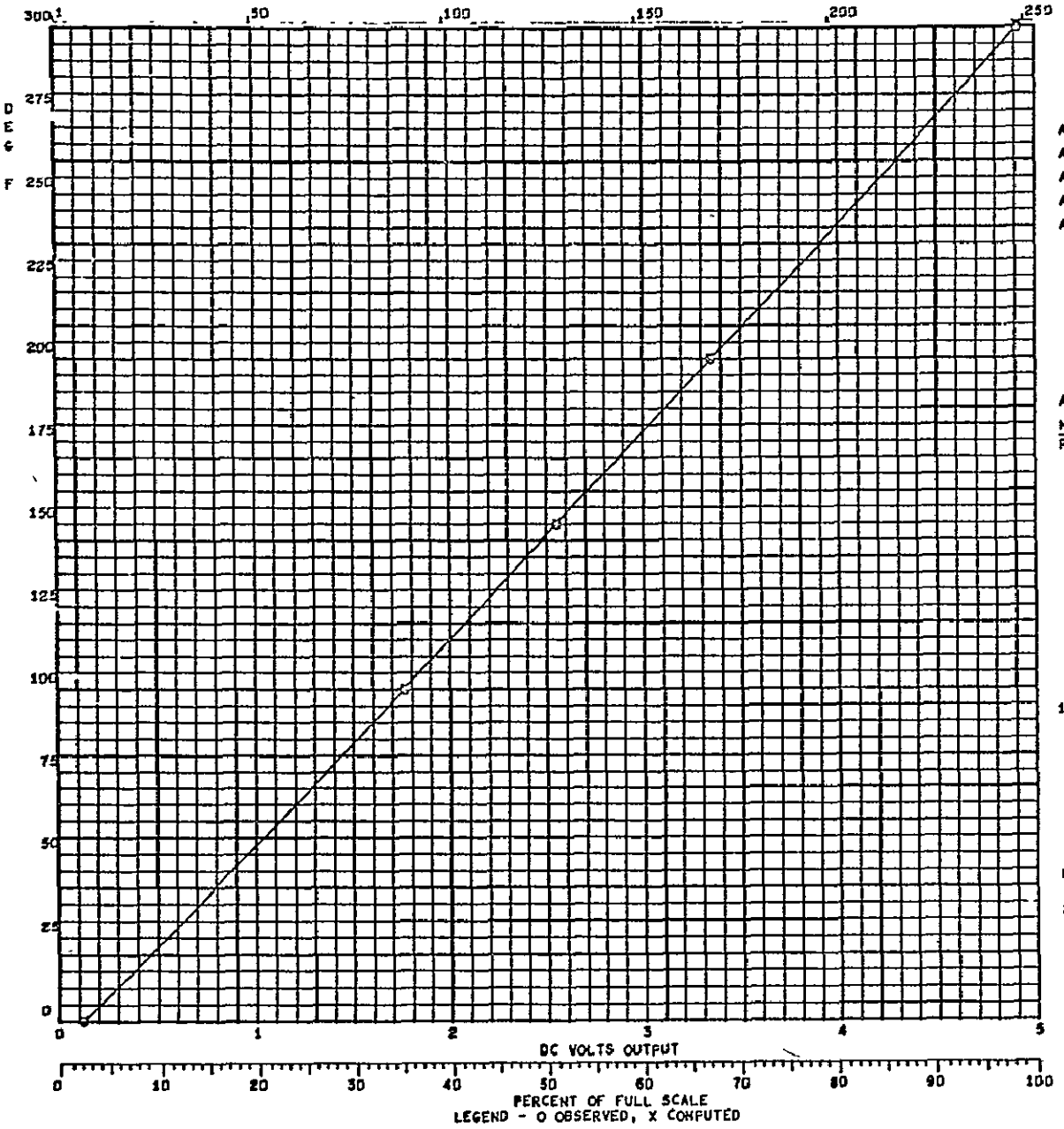
09/27/71
4 INSTALLATION DATE APRIL 1,1969
TEMP ENGINE PACKAGE D
CAL RANGE -.000001 TO 299.999

SC-113

HARDWARE CALIB. NO. 76652 01 00 00

SERIAL NO. 10095411575W

#21515



EQUATION COEFFICIENTS

A_0= -6.703 E 00
A_1= 5.634 E 01
A_2= 4.054 E 00
A_3= -1.079 E 00
A_4= 1.054 E-01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -6.703E 00
20% = 5.272E 01
40% = 1.152E 02
50% = 1.467E 02
60% = 1.781E 02
80% = 2.410E 02
100% = 3.061E 02

MEASUREMENT NO.
200SR5068T01

MEAS LOADING NO.
1007584 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP ENGINE PACKAGE D

MEASUREMENT NO. 20SSR5068T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095411575W
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 04/01/69

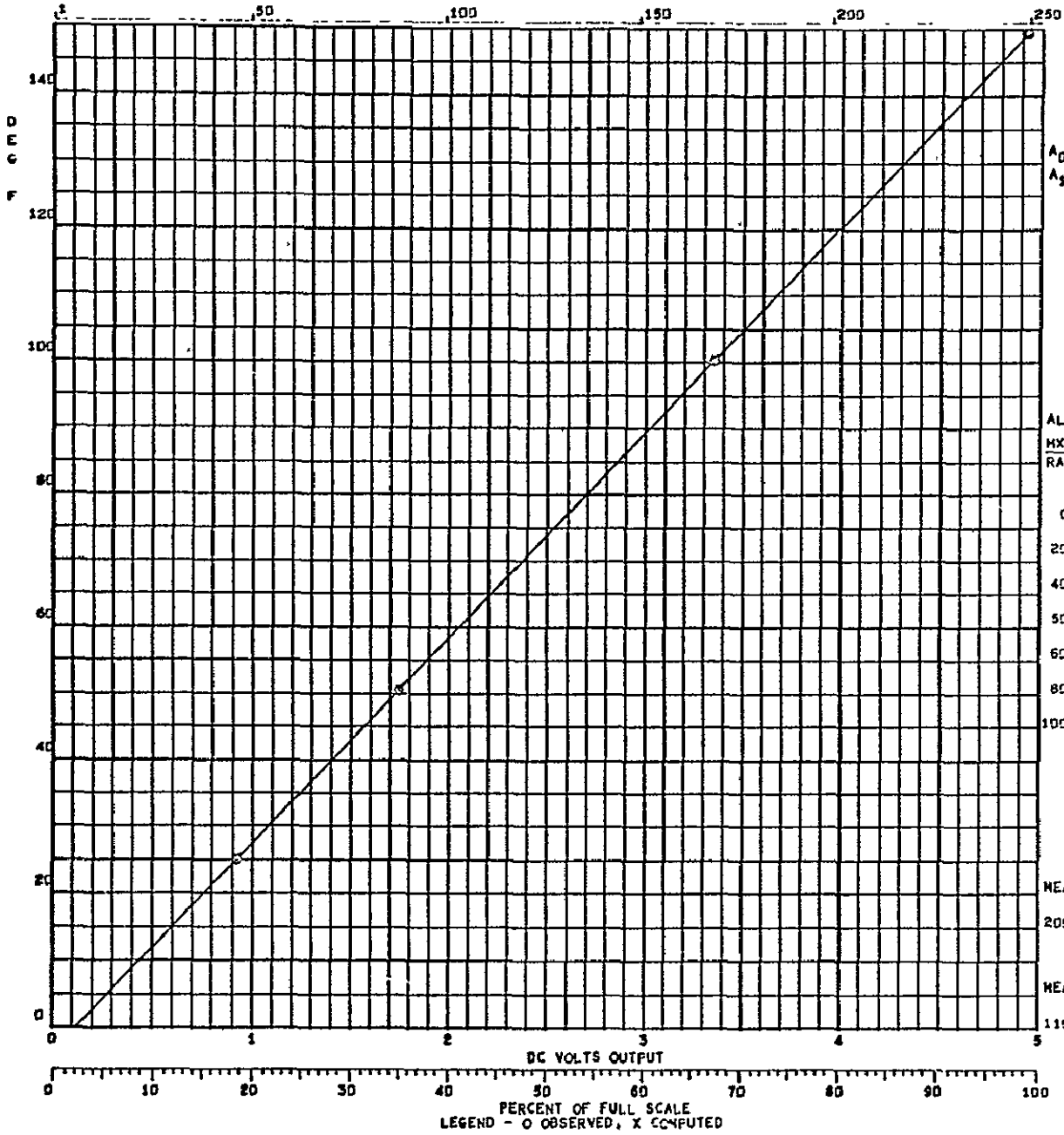
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-6.703	38	36.271	75	81.462	112	127.406	149	173.344	186	219.230	223	265.727
2	-5.588	39	37.471	76	82.699	113	128.649	150	174.583	187	220.474	224	267.503
3	-4.470	40	38 673	77	83 936	114	129.893	151	175.823	188	221.719	225	268.281
4	-3.349	41	39.876	78	85.174	115	131.136	152	177.062	189	222.964	226	269.560
5	-2.224	42	41.081	79	86.412	116	132.379	153	178.301	190	224.239	227	270.841
6	-1.097	43	42.288	80	87.651	117	133.622	154	179.541	191	225.455	228	272.123
7	0.033	44	43 496	81	88.890	118	134.865	155	180.780	192	226.731	229	273.407
8	1.166	45	44.705	82	90.129	119	136.108	156	182.019	193	227.948	230	274.693
9	2.302	46	45.915	83	91.369	120	137.351	157	183 258	194	229.195	231	275.980
10	3.441	47	47.127	84	92.609	121	138.594	158	184.497	195	230.443	232	277.269
11	4.582	48	48.340	85	93.850	122	139.837	159	185.736	196	231.692	233	278.559
12	5.726	49	49.554	86	95.090	123	141.079	160	186.975	197	232.941	234	279.852
13	6.873	50	50.770	87	96.332	124	142.322	161	188.214	198	234.191	235	281.146
14	8.022	51	51 986	88	97.573	125	143.564	162	189.453	199	235.442	236	282.442
15	9.174	52	53.204	89	98.814	126	144.806	163	190.692	200	236.693	237	283.740
16	10.328	53	54.423	90	100.056	127	146.049	164	191.931	201	237.945	238	285.040
17	11.485	54	55.643	91	101.298	128	147.291	165	193.171	202	239.198	239	286.341
18	12.644	55	56.864	92	102.540	129	148.532	166	194.410	203	240.451	240	287.645
19	13.806	56	58 086	93	103.783	130	149.774	167	195.649	204	241.705	241	288 951
20	14.969	57	59.309	94	105.025	131	151.016	168	196.889	205	242.961	242	290.259
21	16.136	58	60.533	95	106.268	132	152.257	169	198.128	206	244.217	243	291.569
22	17.304	59	61.758	96	107.511	133	153.499	170	199.368	207	245.473	244	292.881
23	18.475	60	62.984	97	108.754	134	154.740	171	200.607	208	246.731	245	294.196
24	19.647	61	64.211	98	109.997	135	155.981	172	201.847	209	247.990	246	295.512
25	20.822	62	65.438	99	111:240	136	157.222	173	203.087	210	249.250	247	296.831
26	21.999	63	66.667	100	112.483	137	158.463	174	204.328	211	250.519	248	298.152
27	23.178	64	67.896	101	113.727	138	159.704	175	205.568	212	251.772	249	299.476
28	24.359	65	69.126	102	114.970	139	160.944	176	206.809	213	253.035	250	300.802
29	25.542	66	70.357	103	116.214	140	162.185	177	208.050	214	254.298	251	302.131
30	26.727	67	71.588	104	117.457	141	163.425	178	209.291	215	255.563	252	303.462
31	27.914	68	72.820	105	118.701	142	164.665	179	210.532	216	256.829	253	304.795
32	29.103	69	74.053	106	119.944	143	165.905	180	211.774	217	258.097	254	306.131
33	30.293	70	75.286	107	121.188	144	167.145	181	213.016	218	259.365		
34	31.485	71	76 520	108	122.432	145	168.385	182	214 258	219	260.635		
35	32.679	72	77.755	109	123.675	146	169.625	183	215.500	220	261.906		
36	33.875	73	78 990	110	124.919	147	170.865	184	216.743	221	263.178		
37	35.072	74	80 226	111	126.162	148	172.104	185	217.987	222	264.452		

09/27/71
1 INSTALLATION DATE JULY 1,1960
TEMP OX FEED LINE FLTR QUAD A
CAL RANGE -.567268 TO 149.484

SC-113

HARDWARE CALIB. NO. 76166 01 00 00
SERIAL NO. 103081028Z4A

=Z1515



EQUATION COEFFICIENTS
A_0= -3.483 E 00
A_1= 3.102 E 01

AL DEV= 0
HX DEV / RANGE = 0

0% = -3.483E 00
20% = 2.754E 01
40% = 5.856E 01
50% = 7.407E 01
60% = 8.958E 01
80% = 1.206E 02
100% = 1.516E 02

MEASUREMENT NO.
200SR5069T01

MEAS LOADING NO.
1104081 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP OX FEED LINE FLTR QUAD A

MEASUREMENT NO. 200SR5069T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308102824A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/01/60

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.483	38	19.200	75	41.884	112	64.568	149	87.252	186	109.936	223	132 619
2	-2.870	39	19.814	76	42.497	113	65.181	150	87.865	187	110.549	224	133.232
3	-2.257	40	20.427	77	43.110	114	65.794	151	88.478	188	111.162	225	133 846
4	-1.644	41	21.040	78	43.723	115	66.407	152	89.091	189	111.775	226	134.459
5	-1.031	42	21.653	79	44.337	116	67.020	153	89.704	190	112.388	227	135.072
6	-0.418	43	22.266	80	44.950	117	67.633	154	90.317	191	113.001	228	135.685
7	0.195	44	22.879	81	45.563	118	68.246	155	90.930	192	113.614	229	136.298
8	0.808	45	23.492	82	46.176	119	68.860	156	91.543	193	114 227	230	136.911
9	1.421	46	24.105	83	46.789	120	69.473	157	92.156	194	114.840	231	137.524
10	2.034	47	24.718	84	47.402	121	70.086	158	92.770	195	115.453	232	138.137
11	2.647	48	25.331	85	48.015	122	70.699	159	93.383	196	116.066	233	138.750
12	3 261	49	25.944	86	48.628	123	71.312	160	93.996	197	116.679	234	139.363
13	3.874	50	26.557	87	49.241	124	71.925	161	94.609	198	117.293	235	139.976
14	4.487	51	27.170	88	49.854	125	72.538	162	95.222	199	117.906	236	140.589
15	5.100	52	27.784	89	50.467	126	73.151	163	95.835	200	118.519	237	141.202
16	5.713	53	28.397	90	51.080	127	73.764	164	96.448	201	119 132	238	141.816
17	6.326	54	29.010	91	51 693	128	74.377	165	97 061	202	119.745	239	142.429
18	6.939	55	29.623	92	52.307	129	74.990	166	97.674	203	120 358	240	143.042
19	7.552	56	30.236	93	52.920	130	75.603	167	98.287	204	120 971	241	143.655
20	8.165	57	30 849	94	53.533	131	76.216	168	98.900	205	121.584	242	144 268
21	8.778	58	31.462	95	54.146	132	76 830	169	99.513	206	122.197	243	144.881
22	9.391	59	32.075	96	54.759	133	77.443	170	100.126	207	122.810	244	145.494
23	10.004	60	32.688	97	55.372	134	78.056	171	100.739	208	123.423	245	146.107
24	10.617	61	33.301	98	55.985	135	78.669	172	101.353	209	124.036	246	146.720
25	11.231	62	33.914	99	56.598	136	79.282	173	101.966	210	124.649	247	147.333
26	11.844	63	34.527	100	57.211	137	79.895	174	102.579	211	125.262	248	147.946
27	12.457	64	35.140	101	57.824	138	80.508	175	103.192	212	125.876	249	148.559
28	13.070	65	35.754	102	58.437	139	81.121	176	103.805	213	126.489	250	149.172
29	13.683	66	36.367	103	59.050	140	81.734	177	104.418	214	127.102	251	149.786
30	14.296	67	36.980	104	59.663	141	82.347	178	105.031	215	127.715	252	150.399
31	14.909	68	37.593	105	60.277	142	82.960	179	105.644	216	128.328	253	151.012
32	15.522	69	38.206	106	60.890	143	83.573	180	106.257	217	128.941	254	151.625
33	16 135	70	38.819	107	61.503	144	84.186	181	106.870	218	129.554		
34	16.748	71	39.432	108	62.116	145	84.800	182	107.483	219	130.167		
35	17.361	72	40.045	109	62.729	146	85.413	183	108.096	220	130.780		
36	17.974	73	40.658	110	63.342	147	86.026	184	108.709	221	131.393		
37	18.587	74	41.271	111	63.955	148	86.639	185	109.323	222	132 006		

09/27/71

1 INSTALLATION DATE JULY 8,1961

TEMP OX FEED LINE FLTR QUAD B

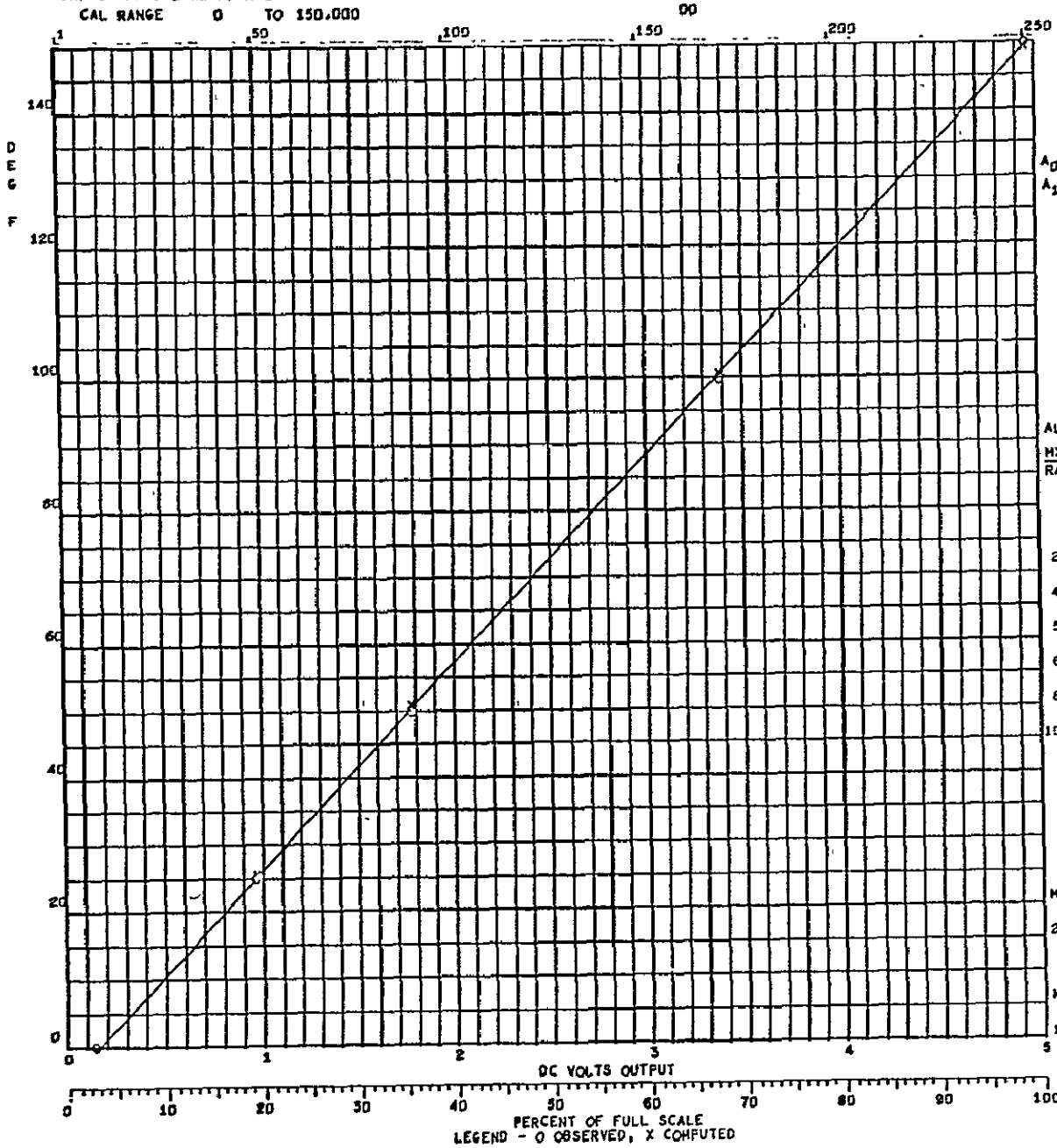
CAL RANGE 0 TO 150.000

SC-113

HARDWARE CALIB. NO. 78084 01 00 00

SERIAL NO. 1D308102821A

=21515



EQUATION COEFFICIENTS

A_0= -4.868 E 00

A_1= 3.118 E 01

AL DEV= .62814

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .00418

0% = -4.868E 00

20% = 2.631E 01

40% = 5.749E 01

50% = 7.308E 01

60% = 8.867E 01

80% = 1.199E 02

100% = 1.510E 02

MEASUREMENT NO.

200SR507DT02

MEAS LOADING NO.

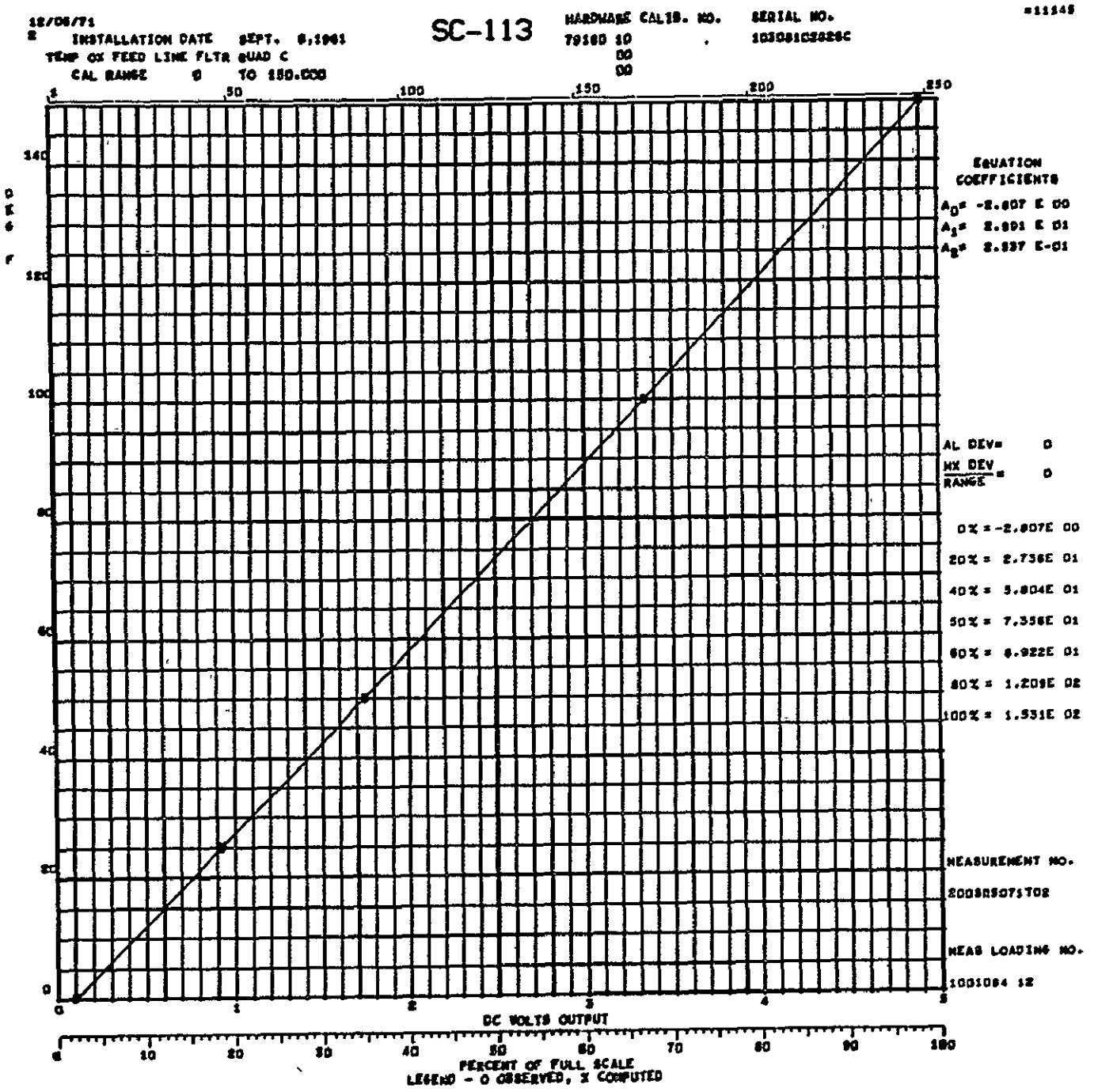
1194089 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP OX FEED LINE FLTR QUAD B

MEASUREMENT NO. 200SR5070T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308102821A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-4.868	38	17.931	75	40.731	112	63.531	149	86.330	186	109.130	223	131.930
2	-4.252	39	18.548	76	41.347	113	64.147	150	86.947	187	109.746	224	132.546
3	-3.636	40	19.164	77	41.963	114	64.763	151	87.563	188	110.362	225	133.162
4	-3.020	41	19.780	78	42.580	115	65.379	152	88.179	189	110.979	226	133.778
5	-2.403	42	20.396	79	43.196	116	65.995	153	88.795	190	111.595	227	134.394
6	-1.787	43	21.012	80	43.812	117	66.612	154	89.411	191	112.211	228	135.011
7	-1.171	44	21.629	81	44.428	118	67.228	155	90.028	192	112.827	229	135.627
8	-0.555	45	22.245	82	45.044	119	67.844	156	90.644	193	113.443	230	136.243
9	0.061	46	22.861	83	45.661	120	68.460	157	91.260	194	114.060	231	136.859
10	0.678	47	23.477	84	46.277	121	69.077	158	91.876	195	114.676	232	137.476
11	1.294	48	24.093	85	46.893	122	69.693	159	92.492	196	115.292	233	138.092
12	1.910	49	24.710	86	47.509	123	70.309	160	93.109	197	115.908	234	138.708
13	2.526	50	25.326	87	48.125	124	70.925	161	93.725	198	116.524	235	139.324
14	3.142	51	25.942	88	48.742	125	71.541	162	94.341	199	117.141	236	139.940
15	3.759	52	26.558	89	49.358	126	72.158	163	94.957	200	117.757	237	140.557
16	4.375	53	27.174	90	49.974	127	72.774	164	95.573	201	118.373	238	141.173
17	4.991	54	27.791	91	50.590	128	73.390	165	96.190	202	118.989	239	141.789
18	5.607	55	28.407	92	51.207	129	74.006	166	96.806	203	119.605	240	142.405
19	6.223	56	29.023	93	51.823	130	74.622	167	97.422	204	120.222	241	143.021
20	6.840	57	29.639	94	52.439	131	75.239	168	98.038	205	120.838	242	143.638
21	7.456	58	30.255	95	53.055	132	75.855	169	98.654	206	121.454	243	144.254
22	8.072	59	30.872	96	53.671	133	76.471	170	99.271	207	122.070	244	144.870
23	8.688	60	31.488	97	54.288	134	77.087	171	99.887	208	122.687	245	145.486
24	9.304	61	32.104	98	54.904	135	77.703	172	100.503	209	123.303	246	146.102
25	9.921	62	32.720	99	55.520	136	78.320	173	101.119	210	123.919	247	146.719
26	10.537	63	33.337	100	56.136	137	78.936	174	101.735	211	124.535	248	147.335
27	11.153	64	33.953	101	56.752	138	79.552	175	102.352	212	125.151	249	147.951
28	11.769	65	34.569	102	57.369	139	80.168	176	102.968	213	125.768	250	148.567
29	12.385	66	35.185	103	57.985	140	80.784	177	103.584	214	126.384	251	149.183
30	13.002	67	35.801	104	58.601	141	81.401	178	104.200	215	127.000	252	149.800
31	13.618	68	36.418	105	59.217	142	82.017	179	104.817	216	127.616	253	150.416
32	14.234	69	37.034	106	59.833	143	82.633	180	105.433	217	128.232	254	151.032
33	14.850	70	37.650	107	60.450	144	83.249	181	106.049	218	128.849		
34	15.467	71	38.266	108	61.066	145	83.865	182	106.665	219	129.465		
35	16.083	72	38.882	109	61.682	146	84.482	183	107.281	220	130.081		
36	16.699	73	39.499	110	62.298	147	85.098	184	107.898	221	130.697		
37	17.315	74	40.115	111	62.914	148	85.714	185	108.514	222	131.313		


12/06/71
INSTALLATION DATE SEPT. 8,1961
TEMP OX FEED LINE FLTR QUAD C
CAL RANGE 0 TO 150.000
SC-113
HARDWARE CALIB. NO.
79160 10
00
00
SERIAL NO.
#11145
EQUATION COEFFICIENTS
A_0= -2.807 E 00
A_1= 2.991 E 01
A_2= 2.837 E-01
AL DEV= 0
HX DEV / RANGE = 0
0% = -2.807E 00
20% = 2.736E 01
40% = 5.804E 01
50% = 7.356E 01
60% = 8.922E 01
80% = 1.209E 02
100% = 1.531E 02
MEASUREMENT NO.
2008RS071T02
MEAS LOADING NO.
1001084 12
DEGREES F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP ON FEED LINE FLTR QUAD C

MEASUREMENT NO. 2003R5071T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308102826C
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/08/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-2.807	38	19.202	75	41.483	112	64.035	149	86.859	186	109.954	223	133.320
2	-2.216	39	19.801	76	42.089	113	64.649	150	87.480	187	110.582	224	133.955
3	-1.625	40	20.400	77	42.695	114	65.262	151	88.100	188	111.210	225	134.591
4	-1.033	41	20.999	78	43.302	115	65.876	152	88.721	189	111.838	226	135.226
5	-0.441	42	21.598	79	43.908	116	66.490	153	89.343	190	112.467	227	135.862
6	0.151	43	22.197	80	44.515	117	67.104	154	89.964	191	113.096	228	136.498
7	0.743	44	22.797	81	45.122	118	67.718	155	90.586	192	113.724	229	137.135
8	1.336	45	23.397	82	45.729	119	68.333	156	91.207	193	114.354	230	137.771
9	1.929	46	23.997	83	46.336	120	68.947	157	91.829	194	114.983	231	138.408
10	2.521	47	24.597	84	46.944	121	69.562	158	92.452	195	115.612	232	139.045
11	3.114	48	25.197	85	47.552	122	70.177	159	93.074	196	116.242	233	139.682
12	3.708	49	25.798	86	48.160	123	70.792	160	93.697	197	116.872	234	140.319
13	4.301	50	26.399	87	48.768	124	71.408	161	94.319	198	117.502	235	140.957
14	4.895	51	27.000	88	49.376	125	72.024	162	94.942	199	118.133	236	141.594
15	5.489	52	27.601	89	49.985	126	72.639	163	95.566	200	118.763	237	142.232
16	6.083	53	28.202	90	50.593	127	73.255	164	96.189	201	119.394	238	142.870
17	6.677	54	28.804	91	51.202	128	73.872	165	96.813	202	120.025	239	143.508
18	7.272	55	29.406	92	51.811	129	74.488	166	97.436	203	120.656	240	144.147
19	7.866	56	30.008	93	52.421	130	75.105	167	98.060	204	121.287	241	144.785
20	8.461	57	30.610	94	53.030	131	75.722	168	98.685	205	121.919	242	145.424
21	9.056	58	31.212	95	53.640	132	76.339	169	99.309	206	122.550	243	146.063
22	9.651	59	31.815	96	54.250	133	76.956	170	99.934	207	123.182	244	146.703
23	10.247	60	32.418	97	54.860	134	77.573	171	100.558	208	123.815	245	147.342
24	10.842	61	33.021	98	55.470	135	78.191	172	101.183	209	124.447	246	147.982
25	11.438	62	33.624	99	56.081	136	78.809	173	101.808	210	125.079	247	148.622
26	12.034	63	34.227	100	56.691	137	79.427	174	102.434	211	125.712	248	149.262
27	12.631	64	34.831	101	57.302	138	80.045	175	103.059	212	126.345	249	149.902
28	13.227	65	35.435	102	57.913	139	80.664	176	103.685	213	126.978	250	150.542
29	13.824	66	36.039	103	58.525	140	81.282	177	104.311	214	127.611	251	151.183
30	14.420	67	36.643	104	59.136	141	81.901	178	104.937	215	128.245	252	151.824
31	15.018	68	37.247	105	59.748	142	82.520	179	105.564	216	128.879	253	152.465
32	15.615	69	37.852	106	60.360	143	83.139	180	106.190	217	129.512	254	153.106
33	16.212	70	38.456	107	60.972	144	83.759	181	106.817	218	130.147		
34	16.810	71	39.061	108	61.584	145	84.378	182	107.444	219	130.781		
35	17.408	72	39.667	109	62.197	146	84.998	183	108.071	220	131.415		
36	18.006	73	40.272	110	62.809	147	85.618	184	108.698	221	132.050		
37	18.604	74	40.877	111	63.422	148	86.239	185	109.326	222	132.685		

12/06/71

S INSTALLATION DATE SEPT. 8,1961

TEMP OX FEED LINE FLTR QUAD D

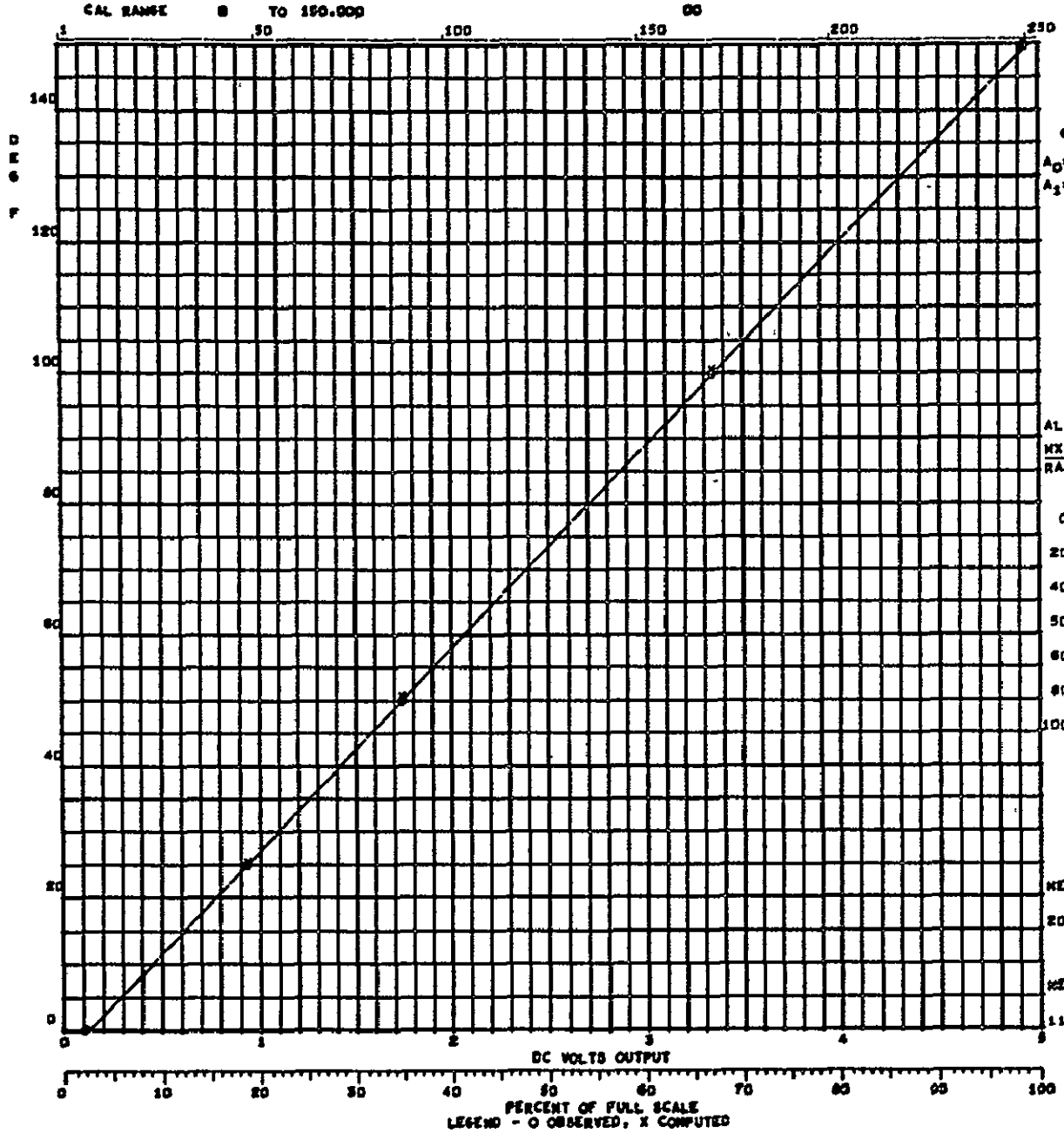
CAL RANGE 0 TO 150.000

SC-113

HARDWARE CALIB. NO. 79161 10 00 00

SERIAL NO. 10306102654C

#11143



EQUATION COEFFICIENTS

A_0= -3.676 E 00

A_1= 3.112 E 01

AL DEV= .42077

$\frac{MX\ DEV}{RANGE}$ = .00280

0% = -3.676E 00

20% = 2.724E 01

40% = 5.837E 01

50% = 7.393E 01

60% = 8.949E 01

80% = 1.206E 02

100% = 1.517E 02

MEASUREMENT NO.

ZOOSRSO7ETO2

MEAS LOADING NO.

1104090 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP ON FEED LINE FLTR #AND D

MEASUREMENT NO. 2008R907Z10E
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103081028834C
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/08/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.878	38	16.880	75	41.636	112	64.392	149	87.148	186	109.904	223	132.660
2	-3.281	39	19.495	76	42.251	113	65.007	150	87.763	187	110.519	224	133.275
3	-2.646	40	20.110	77	42.866	114	65.622	151	88.378	188	111.134	225	133.890
4	-2.031	41	20.725	78	43.481	115	66.237	152	88.993	189	111.749	226	134.505
5	-1.415	42	21.341	79	44.097	116	66.853	153	89.609	190	112.365	227	135.121
6	-0.800	43	21.956	80	44.712	117	67.468	154	90.224	191	112.980	228	135.736
7	-0.185	44	22.571	81	45.327	118	68.083	155	90.839	192	113.595	229	136.351
8	0.430	45	23.186	82	45.942	119	68.698	156	91.454	193	114.210	230	136.966
9	1.045	46	23.801	83	46.557	120	69.313	157	92.069	194	114.825	231	137.581
10	1.660	47	24.416	84	47.172	121	69.928	158	92.684	195	115.440	232	138.196
11	2.275	48	25.031	85	47.787	122	70.543	159	93.299	196	116.055	233	138.811
12	2.890	49	25.646	86	48.402	123	71.158	160	93.914	197	116.670	234	139.426
13	3.505	50	26.261	87	49.017	124	71.773	161	94.529	198	117.285	235	140.041
14	4.120	51	26.876	88	49.632	125	72.388	162	95.144	199	117.900	236	140.656
15	4.735	52	27.491	89	50.247	126	73.003	163	95.759	200	118.515	237	141.271
16	5.350	53	28.106	90	50.862	127	73.618	164	96.374	201	119.130	238	141.886
17	5.965	54	28.721	91	51.477	128	74.233	165	96.989	202	119.745	239	142.501
18	6.580	55	29.336	92	52.092	129	74.848	166	97.604	203	120.360	240	143.116
19	7.195	56	29.951	93	52.707	130	75.463	167	98.219	204	120.975	241	143.731
20	7.810	57	30.566	94	53.322	131	76.078	168	98.834	205	121.590	242	144.346
21	8.425	58	31.181	95	53.937	132	76.693	169	99.449	206	122.205	243	144.961
22	9.040	59	31.796	96	54.552	133	77.308	170	100.064	207	122.820	244	145.576
23	9.655	60	32.411	97	55.167	134	77.923	171	100.679	208	123.435	245	146.191
24	10.270	61	33.026	98	55.782	135	78.538	172	101.294	209	124.050	246	146.806
25	10.885	62	33.641	99	56.397	136	79.153	173	101.909	210	124.665	247	147.421
26	11.500	63	34.256	100	57.012	137	79.768	174	102.524	211	125.280	248	148.036
27	12.115	64	34.871	101	57.627	138	80.383	175	103.139	212	125.895	249	148.651
28	12.730	65	35.486	102	58.242	139	80.998	176	103.754	213	126.510	250	149.266
29	13.345	66	36.101	103	58.857	140	81.613	177	104.369	214	127.125	251	149.881
30	13.960	67	36.716	104	59.472	141	82.228	178	104.984	215	127.740	252	150.496
31	14.575	68	37.331	105	60.087	142	82.843	179	105.599	216	128.355	253	151.111
32	15.190	69	37.946	106	60.702	143	83.458	180	106.214	217	128.970	254	151.726
33	15.805	70	38.561	107	61.317	144	84.073	181	106.829	218	129.585		
34	16.420	71	39.176	108	61.932	145	84.688	182	107.444	219	130.200		
35	17.035	72	39.791	109	62.547	146	85.303	183	108.059	220	130.815		
36	17.650	73	40.406	110	63.162	147	85.918	184	108.674	221	131.430		
37	18.265	74	41.021	111	63.777	148	86.533	185	109.289	222	132.045		

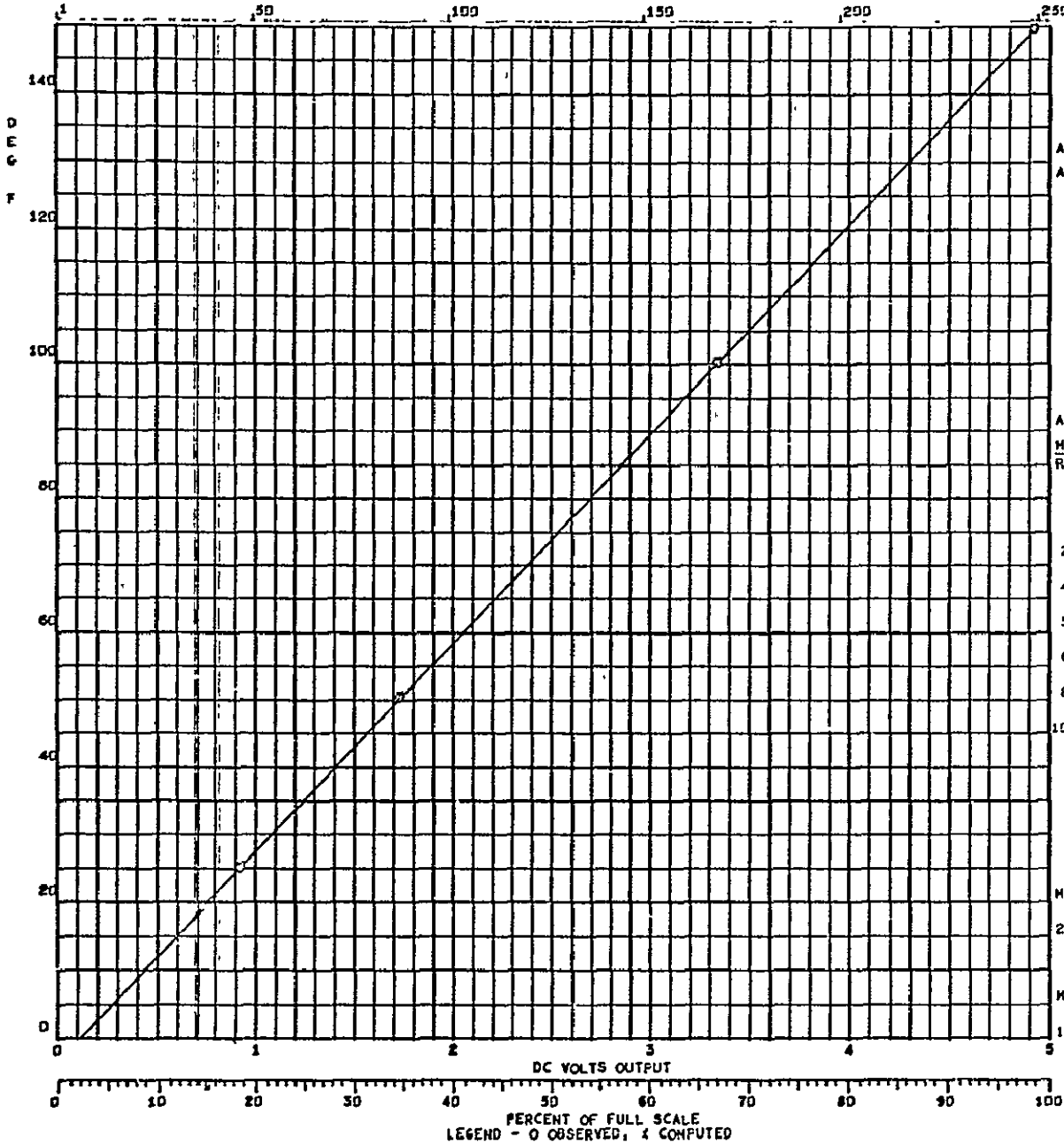
09/27/71
1 INSTALLATION DATE JULY 1,1960
TEMP PRI FU TK OUT SURF QUAD A
CAL RANGE -.037902 TO 149.573

SC-113

HARDWARE CALIB. NO. 78087 01 00 00

SERIAL NO. 10306102810A

#21515



EQUATION COEFFICIENTS

A_0= -3.486 E 00

A_1= 3.112 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% = -3.486E 00

20% = 2.763E 01

40% = 5.875E 01

50% = 7.430E 01

60% = 8.986E 01

80% = 1.210E 02

100% = 1.521E 02

MEASUREMENT NO.

200SR5073T02

MEAS LOADING NO.

1194105 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP FRI FU TK OUT SURF QUAD A

MEASUREMENT NO. 200SR5073T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308102819A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 07/01/60

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-3.486	38	19.267	75	42.019	112	64.772	149	87.525	186	110.278	223	133.030
2	-2.871	39	19.881	76	42.634	113	65.387	150	88.140	187	110 893	224	133.645
3	-2.256	40	20.496	77	43.249	114	66.002	151	88.755	188	111.507	225	134.260
4	-1.641	41	21.111	78	43.864	115	66.617	152	89.370	189	112.122	226	134.875
5	-1.026	42	21.726	79	44.479	116	67.232	153	89.985	190	112.737	227	135.490
6	-0.412	43	22.341	80	45.094	117	67.847	154	90.600	191	113.352	228	136.105
7	0.203	44	22.956	81	45.709	118	68.462	155	91.214	192	113.967	229	136.720
8	0 818	45	23.571	82	46.324	119	69.077	156	91.829	193	114.582	230	137.335
9	1.433	46	24.186	83	46.939	120	69.692	157	92 444	194	115.197	231	137.950
10	2.048	47	24.801	84	47.554	121	70.307	158	93.059	195	115.812	232	138.565
11	2.663	48	25.416	85	48.169	122	70.921	159	93.674	196	116.427	233	139.180
12	3.278	49	26.031	86	48.784	123	71.536	160	94.289	197	117.042	234	139.795
13	3.893	50	26.646	87	49.399	124	72.151	161	94.904	198	117.657	235	140 410
14	4.508	51	27.261	88	50.014	125	72.766	162	95.519	199	118.272	236	141.025
15	5.123	52	27.876	89	50.628	126	73.381	163	96.134	200	118.887	237	141.640
16	5.738	53	28.491	90	51.243	127	73.996	164	96.749	201	119.502	238	142.255
17	6.353	54	29.106	91	51.858	128	74.611	165	97.364	202	120.117	239	142.869
18	6.968	55	29.721	92	52.473	129	75.226	166	97.979	203	120.732	240	143 484
19	7.583	56	30.335	93	53.088	130	75.841	167	98.594	204	121.347	241	144.099
20	8.198	57	30.950	94	53.703	131	76.456	168	99.209	205	121.961	242	144.714
21	8.813	58	31.565	95	54.318	132	77.071	169	99.824	206	122.576	243	145.329
22	9.428	59	32.180	96	54.933	133	77.686	170	100.439	207	123.191	244	145.944
23	10.042	60	32.795	97	55.548	134	78.301	171	101.054	208	123.806	245	146.559
24	10.657	61	33.410	98	56.163	135	78.916	172	101.668	209	124.421	246	147.174
25	11.272	62	34 025	99	56.778	136	79.531	173	102.283	210	125.036	247	147.789
26	11.887	63	34.640	100	57.393	137	80.146	174	102.898	211	125.651	248	148.404
27	12.502	64	35.255	101	58.008	138	80.761	175	103.513	212	126.266	249	149.019
28	13.117	65	35.870	102	58.623	139	81.375	176	104.128	213	126.881	250	149.634
29	13.732	66	36.485	103	59.238	140	81.990	177	104.743	214	127.496	251	150.249
30	14.347	67	37.100	104	59.853	141	82.605	178	105.358	215	128.111	252	150.864
31	14.962	68	37.715	105	60.468	142	83.220	179	105.973	216	128.726	253	151.479
32	15.577	69	38.330	106	61.082	143	83.835	180	106.588	217	129.341	254	152.094
33	16.192	70	38.945	107	61.697	144	84.450	181	107.203	218	129.956		
34	16.807	71	39.560	108	62.312	145	85.065	182	107.818	219	130.571		
35	17.422	72	40.174	109	62.927	146	85.680	183	108.433	220	131.186		
36	18.037	73	40.789	110	63.542	147	86.295	184	109.048	221	131.801		
37	18.652	74	41.404	111	64.157	148	86.910	185	109.663	222	132.415		

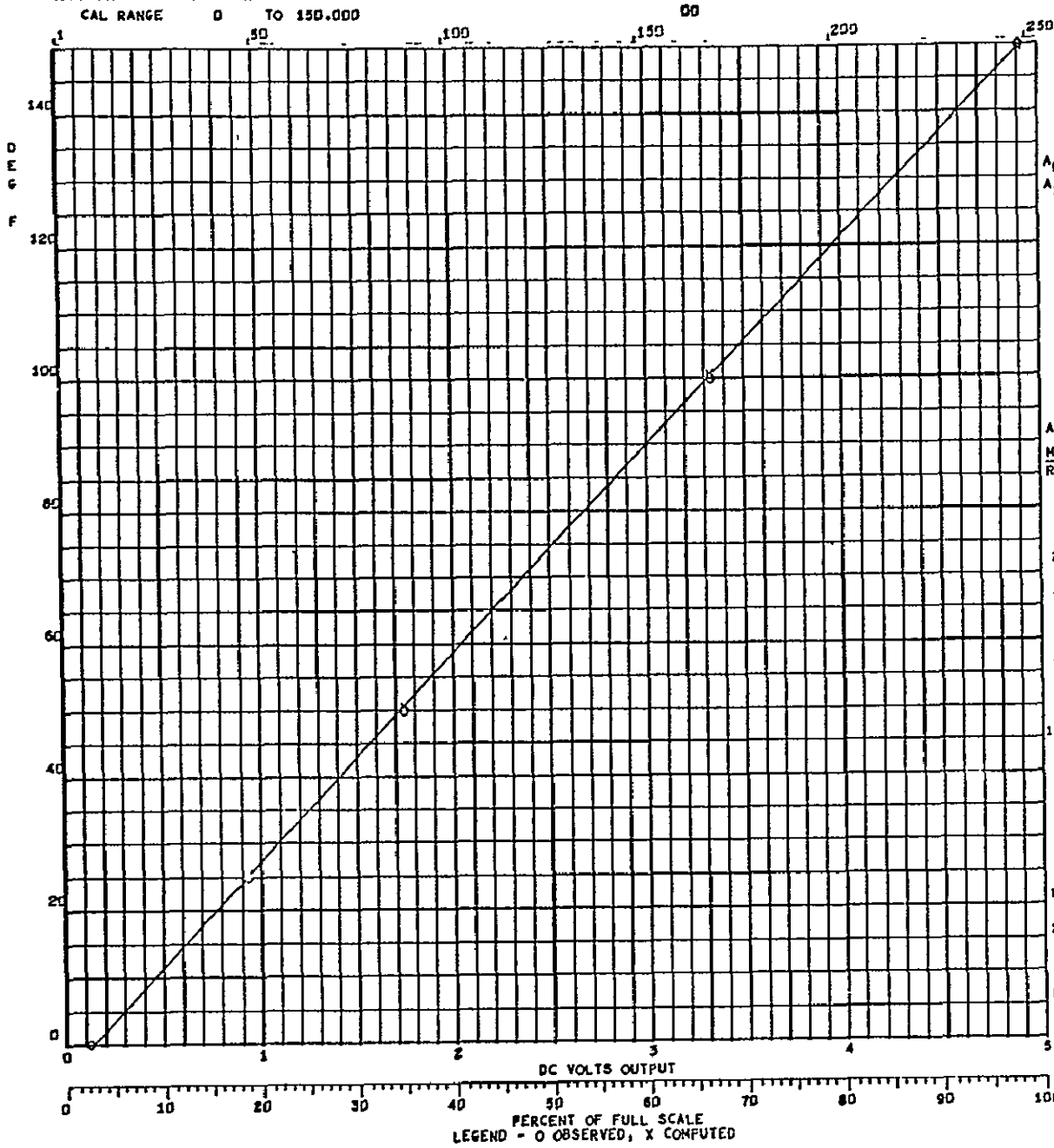
09/27/71
1 INSTALLATION DATE JULY 8,1961
TEMP PRI FU TK OUT SURF QUAD B
CAL RANGE 0 TO 150.000

SC-113

HARDWARE CALIB. NO. 78081 01 00 00

SERIAL NO. 10308102606A

=21515



EQUATION COEFFICIENTS

A_0= -4.174 E 00

A_1= 3.137 E 01

AL DEV= .36471

$\frac{MX\ DEV}{RANGE}$ = .00243

0% = -4.174E 00

20% = 2.719E 01

40% = 5.856E 01

50% = 7.424E 01

60% = 8 992E 01

80% = 1.213E 02

100% = 1.527E 02

MEASUREMENT NO.

200SR5074T03

MEAS LOADING NO.

1104106 12

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP FRT FU TK OUT SURF QUAD B

MEASUREMENT NO 2005R5074T03
VEHICLE SC-113
TRANSDUCER SERIAL NO 19308102808A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

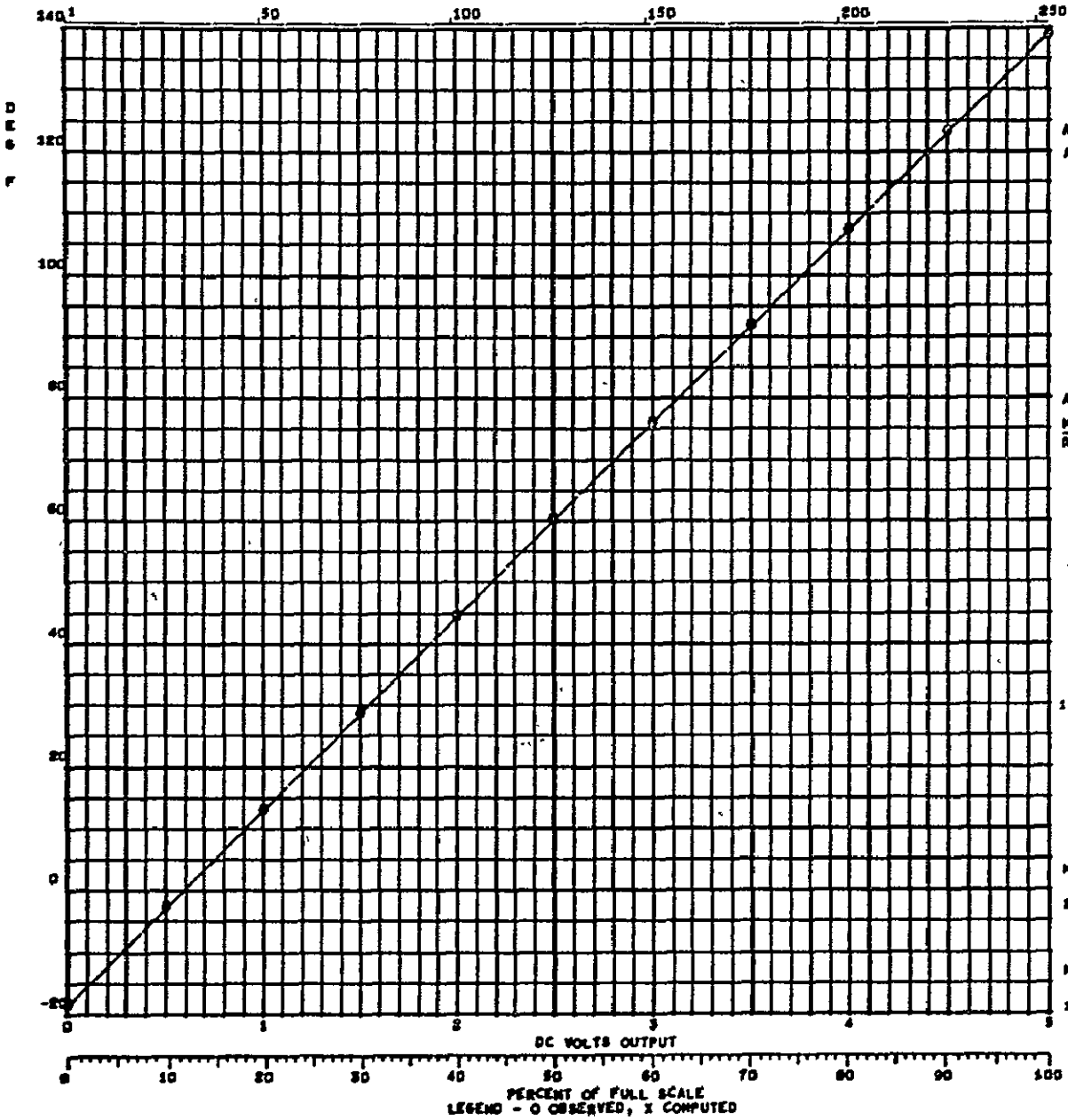
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-4.174	38	18 761	75	41.697	112	64.632	149	87.568	186	110.503	223	133.439
2	-3.554	39	19.381	76	42.317	113	65.252	150	88 188	187	111.123	224	134.059
3	-2.934	40	20.001	77	42,937	114	65.872	151	88.807	188	111.743	225	134.678
4	-2.315	41	20 621	78	43 556	115	66 492	152	89.427	189	112.363	226	135 298
5	-1.695	42	21 241	79	44.176	116	67.112	153	90.047	190	112.983	227	135.918
6	-1.075	43	21.861	80	44.796	117	67.732	154	90.667	191	113.603	228	136.538
7	-0.455	44	22.481	81	45.416	118	68.352	155	91.287	192	114.222	229	137.158
8	0.165	45	23 100	82	46.036	119	68.971	156	91.907	193	114.842	230	137.778
9	0.785	46	23.720	83	46.656	120	69.591	157	92.527	194	115.462	231	138.398
10	1.405	47	24.340	84	47.276	121	70.211	158	93.147	195	116 082	232	139.018
11	2.025	48	24.960	85	47.896	122	70 831	159	93.766	196	116.702	233	139 637
12	2.645	49	25.580	86	48 515	123	71.451	160	94.386	197	117.322	234	140.257
13	3 264	50	26.200	87	49.135	124	72.071	161	95.006	198	117.942	235	140.877
14	3 884	51	26.820	88	49.755	125	72 691	162	95.626	199	118 562	236	141.497
15	4.504	52	27 440	89	50 375	126	73.311	163	96.246	200	119.181	237	142.117
16	5.124	53	28.059	90	50.995	127	73.930	164	96.866	201	119.801	238	142.737
17	5.744	54	28 679	91	51.615	128	74.550	165	97.486	202	120.421	239	143 357
18	6.364	55	29.299	92	52 235	129	75.170	166	98.106	203	121.041	240	143 977
19	6.984	56	29 919	93	52.855	130	75.790	167	98 726	204	121.661	241	144.596
20	7.604	57	30.539	94	53.474	131	76.410	168	99.345	205	122 281	242	145 216
21	8.223	58	31.159	95	54 094	132	77.030	169	99.965	206	122:901	243	145.836
22	8 843	59	31.779	96	54.714	133	77.650	170	100.585	207	123.521	244	146.456
23	9.463	60	32.399	97	55.334	134	78.270	171	101 205	208	124.140	245	147.076
24	10.083	61	33.019	98	55.954	135	78.889	172	101.825	209	124.760	246	147 696
25	10.703	62	33.638	99	56.574	136	79.509	173	102.445	210	125.380	247	148 316
26	11.323	63	34.258	100	57.194	137	80.129	174	103.065	211	126.000	248	148 936
27	11.943	64	34.878	101	57.814	138	80.749	175	103 685	212	126 620	249	149.556
28	12.563	65	35.498	102	58.433	139	81.369	176	104.304	213	127.240	250	150 175
29	13.182	66	36.118	103	59.053	140	81.989	177	104.924	214	127.860	251	150 795
30	13.802	67	36 738	104	59.673	141	82.609	178	105.544	215	128 480	252	151.415
31	14.422	68	37.358	105	60.293	142	83.229	179	106.164	216	129.100	253	152 035
32	15.042	69	37.978	106	60.913	143	83 848	180	106.784	217	129.719	254	152 655
33	15.662	70	38.597	107	61 533	144	84.468	181	107.404	218	130.339		
34	16.282	71	39.217	108	62.153	145	85.088	182	108.024	219	130.959		
35	16.902	72	39.837	109	62.773	146	85.708	183	108.644	220	131.579		
36	17.522	73	40.457	110	63 393	147	86.328	184	109 263	221	132.199		
37	18.141	74	41.077	111	64.012	148	86.948	185	109.883	222	132 819		

12/06/71
1 INSTALLATION DATE SEPT. 8,1961
TEMP PRI FU TK OUT SURF QUAD C
CAL RANGE -18.4871 TO 139.149

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
79107 01	10308102814A
79101 01	10088412093A
00	0000000000000000

=11148



EQUATION COEFFICIENTS

A_0= -1.848 E 01

A_1= 3.192 E 01

AL DEV= .00000

MX DEV / RANGE = .00000

0% = -1.848E 01

20% = 1.306E 01

40% = 4.458E 01

50% = 6.034E 01

60% = 7.610E 01

80% = 1.076E 02

100% = 1.391E 02

MEASUREMENT NO.

2008R507ST03

MEAS LOADING NO.

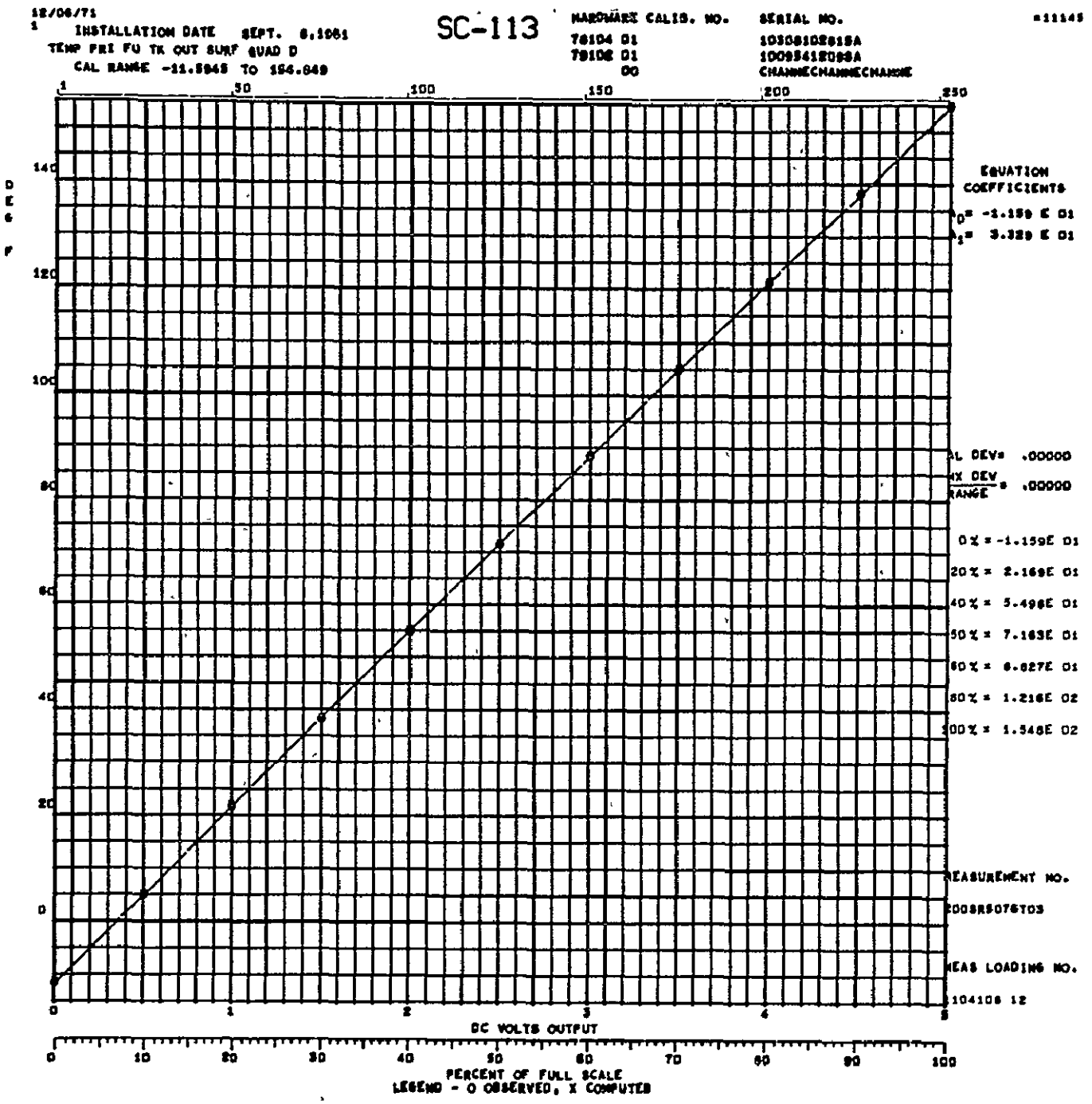
1104107 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP PRI FU TK OUT SURF QUAD C

MEASUREMENT NO. 2005R5075T03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103081028144
SIGNAL CONDITIONER SERIAL NO. 10095412095A
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 09/08/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-18.457	38	4.591	75	27.839	112	50.686	149	73.734	186	96.762	223	119.830
2	-17.634	39	5.214	76	28.262	113	51.309	150	74.357	187	97.405	224	120.453
3	-17.211	40	5.837	77	28.884	114	51.932	151	74.980	188	98.028	225	121.076
4	-16.588	41	6.460	78	29.507	115	52.555	152	75.603	189	98.651	226	121.699
5	-15.965	42	7.082	79	30.130	116	53.178	153	76.226	190	99.274	227	122.322
6	-15.342	43	7.705	80	30.753	117	53.801	154	76.849	191	99.897	228	122.945
7	-14.720	44	8.328	81	31.376	118	54.424	155	77.472	192	100.520	229	123.567
8	-14.097	45	8.951	82	31.999	119	55.047	156	78.095	193	101.143	230	124.190
9	-13.474	46	9.574	83	32.622	120	55.670	157	78.718	194	101.765	231	124.813
10	-12.851	47	10.197	84	33.245	121	56.293	158	79.341	195	102.388	232	125.436
11	-12.228	48	10.820	85	33.868	122	56.916	159	79.963	196	103.011	233	126.059
12	-11.605	49	11.443	86	34.491	123	57.538	160	80.586	197	103.634	234	126.682
13	-10.982	50	12.066	87	35.114	124	58.161	161	81.209	198	104.257	235	127.305
14	-10.359	51	12.689	88	35.736	125	58.784	162	81.832	199	104.880	236	127.928
15	-9.736	52	13.312	89	36.359	126	59.407	163	82.455	200	105.503	237	128.551
16	-9.113	53	13.934	90	36.982	127	60.030	164	83.078	201	106.126	238	129.174
17	-8.490	54	14.557	91	37.605	128	60.653	165	83.701	202	106.749	239	129.797
18	-7.868	55	15.180	92	38.228	129	61.276	166	84.324	203	107.372	240	130.420
19	-7.245	56	15.803	93	38.851	130	61.899	167	84.947	204	107.995	241	131.042
20	-6.622	57	16.426	94	39.474	131	62.522	168	85.570	205	108.617	242	131.665
21	-5.999	58	17.049	95	40.097	132	63.145	169	86.193	206	109.240	243	132.288
22	-5.376	59	17.672	96	40.720	133	63.768	170	86.815	207	109.863	244	132.911
23	-4.753	60	18.295	97	41.343	134	64.391	171	87.438	208	110.486	245	133.534
24	-4.130	61	18.918	98	41.966	135	65.013	172	88.061	209	111.109	246	134.157
25	-3.507	62	19.541	99	42.589	136	65.636	173	88.684	210	111.732	247	134.780
26	-2.884	63	20.164	100	43.211	137	66.259	174	89.307	211	112.355	248	135.403
27	-2.261	64	20.787	101	43.834	138	66.882	175	89.930	212	112.978	249	136.026
28	-1.638	65	21.409	102	44.457	139	67.505	176	90.553	213	113.601	250	136.649
29	-1.015	66	22.032	103	45.080	140	68.128	177	91.176	214	114.224	251	137.272
30	-0.393	67	22.655	104	45.703	141	68.751	178	91.799	215	114.847	252	137.895
31	0.230	68	23.278	105	46 326	142	69.374	179	92.422	216	115 470	253	138.517
32	0.853	69	23.901	106	46.949	143	69.997	180	93.045	217	116.092	254	139.140
33	1.476	70	24.524	107	47.572	144	70.620	181	93.668	218	116.715		
34	2.099	71	25.147	108	48.195	145	71.243	182	94.290	219	117.338		
35	2.722	72	25.770	109	48.818	146	71.866	183	94.913	220	117.961		
36	3.345	73	26.393	110	49.441	147	72.488	184	95.536	221	118.584		
37	3 968	74	27.016	111	50.064	148	73.111	185	96.159	222	119.207		


12/06/71
1 INSTALLATION DATE SEPT. 8,1961
TEMP PRI FU TK OUT SURF QUAD D
CAL RANGE -11.5945 TO 154.049
SC-113
HARDWARE CALIB. NO.
78104 01
78106 01
00
SERIAL NO.
1030810281SA
1009341E098A
CHANNECHANNECHANNE
=11145
EQUATION COEFFICIENTS
A0= -1.159 E 01
A1= 3.329 E 01
AL DEV= .00000
MAX DEV / RANGE= .00000
0 % = -1.159E 01
20 % = 2.169E 01
40 % = 5.498E 01
60 % = 8.827E 01
80 % = 1.216E 02
100 % = 1.548E 02
MEASUREMENT NO.
MEAS LOADING NO.
104108 12
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS. ****

TEMP PRI FU TK OUT SURF QUAD D

MEASUREMENT NO. 2005R5076T03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10306102815A
SIGNAL CONDITIONER SERIAL NO. 100954120968A
AUXILIARY COMPONENT SERIAL NO. CHANNECHANNECHANNE
CALIBRATION DATE 09/06/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-11.594	38	12.747	75	37.089	112	61.430	149	85.772	186	110.113	223	134.455
2	-10.937	39	13.405	76	37.746	113	62.088	150	86.430	187	110.771	224	135.113
3	-10.279	40	14.063	77	38.404	114	62.746	151	87.087	188	111.429	225	135.770
4	-9.621	41	14.721	78	39.062	115	63.404	152	87.745	189	112.087	226	136.428
5	-8.963	42	15.379	79	39.720	116	64.062	153	88.403	190	112.745	227	137.086
6	-8.305	43	16.036	80	40.378	117	64.719	154	89.061	191	113.403	228	137.744
7	-7.647	44	16.694	81	41.036	118	65.377	155	89.719	192	114.060	229	138.402
8	-6.989	45	17.352	82	41.694	119	66.035	156	90.377	193	114.718	230	139.060
9	-6.331	46	18.010	83	42.352	120	66.693	157	91.035	194	115.376	231	139.718
10	-5 674	47	18.668	84	43.009	121	67.351	158	91.693	195	116.034	232	140.376
11	-5.016	48	19.326	85	43.667	122	68.009	159	92.350	196	116.692	233	141.033
12	-4.358	49	19.984	86	44.325	123	68.667	160	93.008	197	117.350	234	141.691
13	-3.700	50	20 642	87	44.983	124	69.325	161	93.666	198	118:008	235	142.349
14	-3.042	51	21.299	88	45.641	125	69.983	162	94.324	199	118.666	236	143.007
15	-2.384	52	21.957	89	46.299	126	70.640	163	94.982	200	119.323	237	143.665
16	-1.726	53	22.615	90	46.957	127	71.298	164	95.640	201	119.981	238	144.323
17	-1.068	54	23.273	91	47.615	128	71.956	165	96.298	202	120.639	239	144.981
18	-0.411	55	23.931	92	48.273	129	72.614	166	96.956	203	121.297	240	145.639
19	0.247	56	24.589	93	48.930	130	73.272	167	97.613	204	121.955	241	146.297
20	0.905	57	25.247	94	49.588	131	73.930	168	98.271	205	122.613	242	146.954
21	1.563	58	25.905	95	50 246	132	74.588	169	98.929	206	123.271	243	147.612
22	2.221	59	26.563	96	50.904	133	75.246	170	99.587	207	123.929	244	148.270
23	2.879	60	27.220	97	51.562	134	75.903	171	100.245	208	124.586	245	148.928
24	3.537	61	27.878	98	52.220	135	76.561	172	100.903	209	125.244	246	149.586
25	4.195	62	28.536	99	52.878	136	77.219	173	101.561	210	125.902	247	150.244
26	4.852	63	29.194	100	53 536	137	77.877	174	102.219	211	126.560	248	150.902
27	5.510	64	29.852	101	54.193	138	78.535	175	102.876	212	127.218	249	151.560
28	6.168	65	30.510	102	54.851	139	79.193	176	103.534	213	127.876	250	152.217
29	6.826	66	31.168	103	55.509	140	79.851	177	104.192	214	128.534	251	152.875
30	7.484	67	31.826	104	56.167	141	80.509	178	104.850	215	129.192	252	153.533
31	8.142	68	32.483	105	56.825	142	81.166	179	105.508	216	129.850	253	154.191
32	8.800	69	33.141	106	57.483	143	81.824	180	106.166	217	130.507	254	154.849
33	9.458	70	33.799	107	58.141	144	82.482	181	106.824	218	131.165		
34	10.116	71	34.457	108	58.799	145	83.140	182	107.482	219	131.823		
35	10.773	72	35.115	109	59.456	146	83.798	183	108.140	220	132.481		
36	11.431	73	35.773	110	60.114	147	84.456	184	108.797	221	133.139		
37	12.089	74	36.431	111	60.772	148	85.114	185	109.455	222	133.797		

09/27/71

1 INSTALLATION DATE MARCH 21,1969

A HE MANIFOLD PRESS

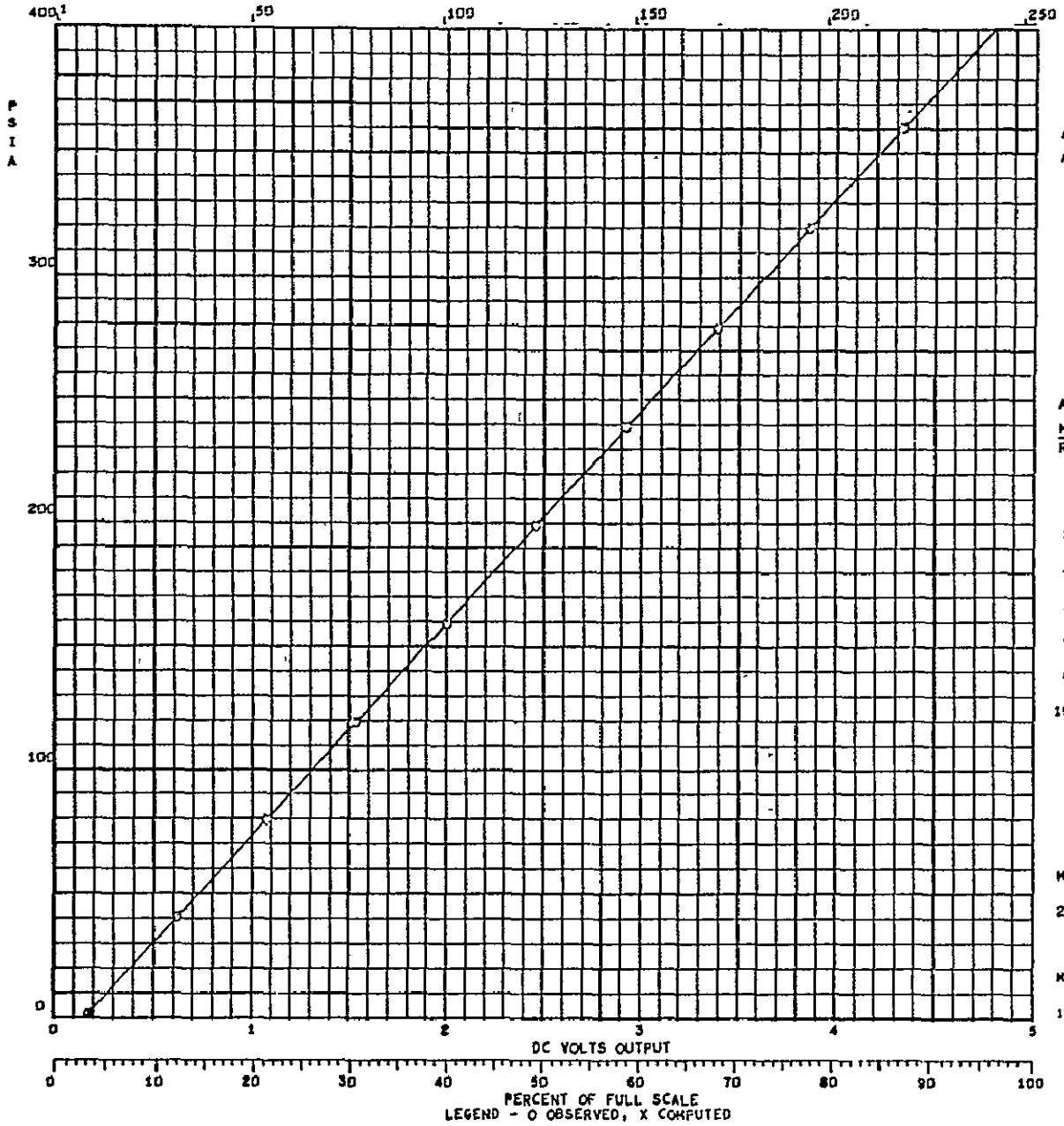
CAL RANGE 1.60691 TO 401.337

SC-113

HARDWARE CALIB. NO. 77070 01 00 00

SERIAL NO. 10308603135A

=21515



EQUATION COEFFICIENTS

A_0= -1.278 E 01

A_1= 8.615 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.278E 01

20% = 7.337E 01

40% = 1.595E 02

50% = 2.026E 02

60% = 2.457E 02

80% = 3.318E 02

100% = 4.180E 02

MEASUREMENT NO.

200SR5729F01

MEAS LOADING NO.

1102911 12 20

**** CALIBRATION TABLE OF 8-BIT COUNTS-VS ENGINEERING UNITS ****

A HE MANIFOLD PRESS

MEASUREMENT NO. 200SR5729P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603135A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-12.780	38	50.214	75	113.209	112	176.203	149	239.197	186	302.191	223	365.186
2	-11.077	39	51.917	76	114.911	113	177.905	150	240.900	187	303.894	224	366.888
3	-9.375	40	53.619	77	116.614	114	179.608	151	242.602	188	305.596	225	368.591
4	-7.672	41	55.322	78	118.316	115	181.310	152	244.305	189	307.299	226	370.293
5	-5.970	42	57.024	79	120.019	116	183.013	153	246.007	190	309.001	227	371.996
6	-4.267	43	58.727	80	121.721	117	184.716	154	247.710	191	310.704	228	373.698
7	-2.565	44	60.430	81	123.424	118	186.418	155	249.412	192	312.407	229	375.401
8	-0.862	45	62.132	82	125.126	119	188.121	156	251.115	193	314.109	230	377.103
9	0.840	46	63 835	83	126.829	120	189.823	157	252.817	194	315.812	231	378.806
10	2.543	47	65.537	84	128.531	121	191.526	158	254.520	195	317.514	232	380.509
11	4.246	48	67.240	85	130 234	122	193.228	159	256.223	196	319.217	233	382.211
12	5.948	49	68.942	86	131.937	123	194.931	160	257.925	197	320.919	234	383.914
13	7.651	50	70.645	87	133.639	124	196.633	161	259.628	198	322.622	235	385.616
14	9.353	51	72.347	88	135.342	125	198.336	162	261.330	199	324.324	236	387.319
15	11.056	52	74.050	89	137.044	126	200.038	163	263.033	200	326.027	237	389.021
16	12.758	53	75.753	90	138.747	127	201.741	164	264.735	201	327.729	238	390.724
17	14.461	54	77.455	91	140.449	128	203.444	165	266.438	202	329.432	239	392.426
18	16.163	55	79.158	92	142.152	129	205.146	166	268.140	203	331.135	240	394.129
19	17.866	56	80.860	93	143.854	130	206.849	167	269.843	204	332.837	241	395.831
20	19.568	57	82.563	94	145.557	131	208.551	168	271.545	205	334.540	242	397.534
21	21.271	58	84.265	95	147.259	132	210.254	169	273.248	206	336.242	243	399.237
22	22.974	59	85.968	96	148.962	133	211.956	170	274.951	207	337.945	244	400.939
23	24.676	60	87.670	97	150.665	134	213.659	171	276.653	208	339.647	245	402.642
24	26.379	61	89.373	98	152.367	135	215.361	172	278.356	209	341.350	246	404.344
25	28.081	62	91.075	99	154.070	136	217.064	173	280.058	210	343.052	247	406.047
26	29.784	63	92.778	100	155.772	137	218.766	174	281.761	211	344.755	248	407.749
27	31.486	64	94.481	101	157.475	138	220.469	175	283.463	212	346.458	249	409.452
28	33.189	65	96.183	102	159.177	139	222.172	176	285.166	213	348.160	250	411.154
29	34.891	66	97.886	103	160.880	140	223.874	177	286.868	214	349.863	251	412.857
30	36.594	67	99.588	104	162.582	141	225.577	178	288.571	215	351.565	252	414.560
31	38.296	68	101.291	105	164.285	142	227.279	179	290.273	216	353.268	253	416 262
32	39.999	69	102.993	106	165.988	143	228.982	180	291.976	217	354.970	254	417.965
33	41.702	70	104.696	107	167.690	144	230.684	181	293.679	218	356.673		
34	43.404	71	106.398	108	169.393	145	232.387	182	295.381	219	358.375		
35	45.107	72	108.101	109	171.095	146	234.089	183	297.084	220	360.078		
36	46.809	73	109.803	110	172.798	147	235.792	184	298.786	221	361.780		
37	48.512	74	111.506	111	174.500	148	237.494	185	300.489	222	363.483		

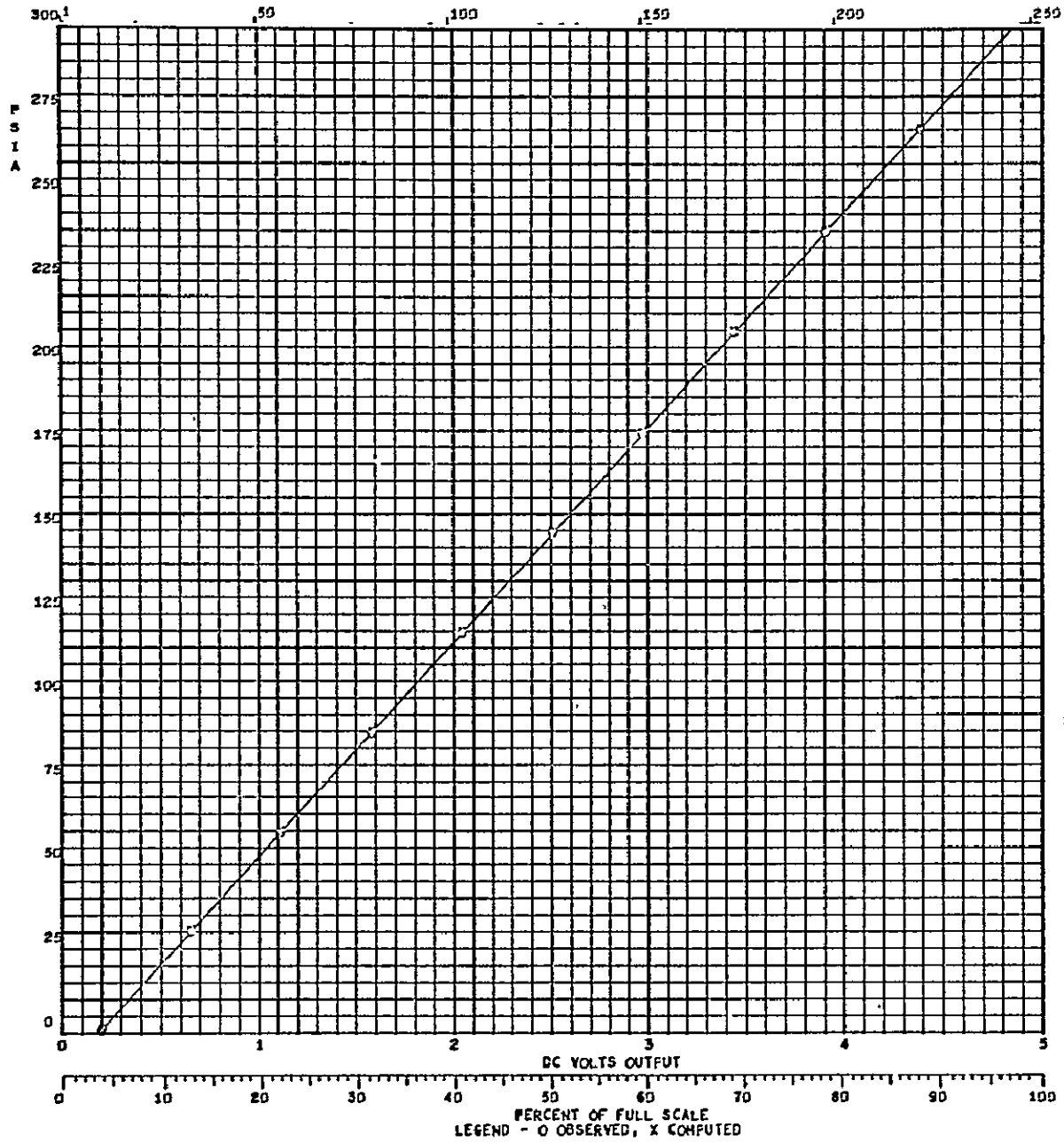
09/27/71
1 INSTALLATION DATE MARCH 21,1969
OX MANIFOLD FR SYS A
CAL RANGE .907339 TO 300.707

SC-113

HARDWARE CALIB. NO. 57317 02 00 00

SERIAL NO. 100954429354

=21515



EQUATION COEFFICIENTS

A_0= -1.164 E 01

A_1= 6.433 E 01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0% =-1.164E 01

20% = 5.270E 01

40% = 1.170E 02

50% = 1.492E 02

60% = 1.814E 02

80% = 2.457E 02

100% = 3.100E 02

MEASUREMENT NO.

200SE5733P01

MEAS LOADING NO.

1101_31 12 20

**** CALIBRATION TABLE OF -8-BIT-COUNTS VS ENGINEERING UNITS-****

OX MANIFOLD PR SYS A

MEASUREMENT NO. 200SR5733P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442935A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

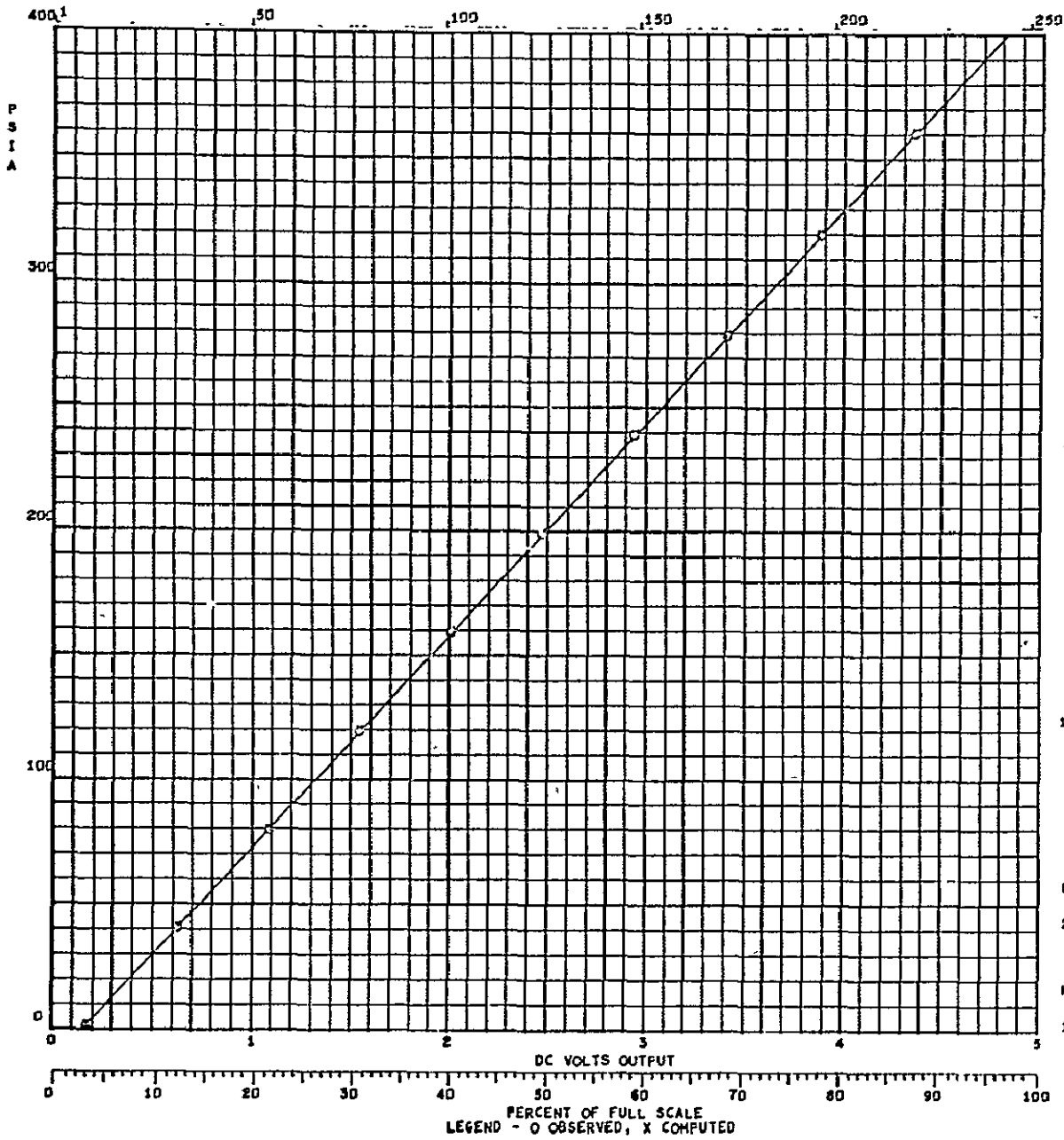
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-11.638	38	35.405	75	82.448	112	129.491	149	176.535	186	223.578	223	270.621
2	-10.366	39	36.677	76	83.720	113	130.763	150	177.806	187	224.849	224	271.892
3	-9.095	40	37.948	77	84.991	114	132.034	151	179.077	188	226.121	225	273.164
4	-7.824	41	39.220	78	86.263	115	133.306	152	180.349	189	227.392	226	274.435
5	-6.552	42	40.491	79	87.534	116	134.577	153	181.620	190	228.663	227	275.707
6	-5.281	43	41.762	80	88.806	117	135.849	154	182.892	191	229.935	228	276.978
7	-4.009	44	43.034	81	90.077	118	137.120	155	184.163	192	231.206	229	278.249
8	-2.738	45	44.305	82	91.348	119	138.392	156	185.435	193	232.478	230	279.521
9	-1.466	46	45.577	83	92.620	120	139.663	157	186.706	194	233.749	231	280.792
10	-0.195	47	46.848	84	93.891	121	140.934	158	187.978	195	235.021	232	282.064
11	1.076	48	48.120	85	95.163	122	142.206	159	189.249	196	236.292	233	283.335
12	2.348	49	49.391	86	96.434	123	143.477	160	190.520	197	237.563	234	284.607
13	3.619	50	50.662	87	97.706	124	144.749	161	191.792	198	238.835	235	285.878
14	4.891	51	51.934	88	98.977	125	146.020	162	193.063	199	240.106	236	287.150
15	6.162	52	53.205	89	100.248	126	147.292	163	194.335	200	241.378	237	288 421
16	7.434	53	54.477	90	101.520	127	148.563	164	195.606	201	242.649	238	289.692
17	8.705	54	55.748	91	102.791	128	149.834	165	196.878	202	243.921	239	290.964
18	9.977	55	57.020	92	104.063	129	151.106	166	198.149	203	245.192	240	292.235
19	11.248	56	58.291	93	105.334	130	152.377	167	199.420	204	246.464	241	293.507
20	12.519	57	59.563	94	106.606	131	153.649	168	200.692	205	247.735	242	294.778
21	13.791	58	60.834	95	107.877	132	154.920	169	201.963	206	249.006	243	296.050
22	15.062	59	62.105	96	109.149	133	156.192	170	203.235	207	250.278	244	297.321
23	16.334	60	63.377	97	110.420	134	157.463	171	204.506	208	251.549	245	298.592
24	17.605	61	64.648	98	111.691	135	158.734	172	205.778	209	252.821	246	299.864
25	18.877	62	65.920	99	112.963	136	160.006	173	207.049	210	254.092	247	301.135
26	20.148	63	67.191	100	114.234	137	161.277	174	208.320	211	255.364	248	302.407
27	21.419	64	68.463	101	115.506	138	162.549	175	209.592	212	256.635	249	303.678
28	22.691	65	69.734	102	116.777	139	163.820	176	210.863	213	257.906	250	304.950
29	23.962	66	71.005	103	118.049	140	165.092	177	212.135	214	259.178	251	306.221
30	25.234	67	72.277	104	119 320	141	166.363	178	213.406	215	260.449	252	307.493
31	26.505	68	73.548	105	120.591	142	167.635	179	214.678	216	261.721	253	308.764
32	27.777	69	74.820	106	121.863	143	168.906	180	215.949	217	262.992	254	310.035
33	29.048	70	76.091	107	123.134	144	170.177	181	217.221	218	264.264		
34	30.320	71	77.363	108	124.406	145	171.449	182	218.492	219	265.535		
35	31.591	72	78.634	109	125.677	146	172.720	183	219.763	220	266.807		
36	32.862	73	79.905	110	126.949	147	173.992	184	221.035	221	268.078		
37	34.134	74	81.177	111	128.220	148	175.263	185	222.306	222	269.349		

09/27/71
1 INSTALLATION DATE MARCH 21,1969
FUEL MANIFOLD PR SYS A
CAL RANGE 1.53396 TO 401.306

SC-113

HARDWARE CALIB. NO. 77125 01 00 00
SERIAL NO. 10308603177A

=21515



EQUATION COEFFICIENTS

A_0= -1.306 E 01
A_1= 8.582 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.306E 01
20% = 7.277E 01
40% = 1.586E 02
60% = 2.444E 02
80% = 3.302E 02
100% = 4.161E 02

MEASUREMENT NO.
200SR5737P01

MEAS LOADING NO.
1103074 12 20

CALIBRATION TABLE OF 8-BIT-COUNTS VS ENGINEERING UNITS

FUEL MANIFOLD PR SYS A

MEASUREMENT NO. 2005R5737F01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603177A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-13.056	38	49.701	75	112.458	112	175.216	149	237.973	186	300.730	223	363.487
2	-11.360	39	51.397	76	114.154	113	176.912	150	239.669	187	302.426	224	365.184
3	-9.664	40	53.093	77	115.851	114	178.608	151	241.365	188	304.122	225	366.880
4	-7.968	41	54.789	78	117.547	115	180.304	152	243.061	189	305.819	226	368.576
5	-6.272	42	56.486	79	119.243	116	182.000	153	244.757	190	307.515	227	370.272
6	-4.576	43	58.182	80	120.939	117	183.696	154	246.454	191	309.211	228	371.968
7	-2.879	44	59.878	81	122.635	118	185.392	155	248.150	192	310.907	229	373.664
8	-1.183	45	61.574	82	124.331	119	187.089	156	249.846	193	312.603	230	375.360
9	0.513	46	63.270	83	126 027	120	188.785	157	251.542	194	314 299	231	377.057
10	2.209	47	64.966	84	127.724	121	190.481	158	253.238	195	315.995	232	378.753
11	3.905	48	66.662	85	129.420	122	192.177	159	254.934	196	317.692	233	380.449
12	5.601	49	68.359	86	131.116	123	193.873	160	256.630	197	319.388	234	382.145
13	7.297	50	70.055	87	132.812	124	195.569	161	258.327	198	321.084	235	383.841
14	8.994	51	71.751	88	134.508	125	197.265	162	260.023	199	322.780	236	385.537
15	10.690	52	73.447	89	136.204	126	198.962	163	261.719	200	324.476	237	387.234
16	12.386	53	75.143	90	137.900	127	200.658	164	263.415	201	326.172	238	388.930
17	14.082	54	76.839	91	139.597	128	202.354	165	265.111	202	327.868	239	390.626
18	15.778	55	78.535	92	141.293	129	204.050	166	266.807	203	329.565	240	392.322
19	17.474	56	80.232	93	142.989	130	205.746	167	268.503	204	331.261	241	394.018
20	19.170	57	81.928	94	144.685	131	207.442	168	270.200	205	332.957	242	395.714
21	20.867	58	83.624	95	146.381	132	209.138	169	271.896	206	334.653	243	397.410
22	22.563	59	85.320	96	148.077	133	210.835	170	273.592	207	336.349	244	399.107
23	24.259	60	87.016	97	149.773	134	212.531	171	275.288	208	338.045	245	400.803
24	25.955	61	88.712	98	151.470	135	214.227	172	276.984	209	339.741	246	402.499
25	27.651	62	90.408	99	153.166	136	215.923	173	278.680	210	341.438	247	404.195
26	29.347	63	92.105	100	154.862	137	217.619	174	280.376	211	343.134	248	405.891
27	31.043	64	93.801	101	156.558	138	219.315	175	282.073	212	344.830	249	407.587
28	32.740	65	95.497	102	158.254	139	221.011	176	283.769	213	346.526	250	409.283
29	34.436	66	97.193	103	159.950	140	222.708	177	285.465	214	348.222	251	410.980
30	36.132	67	98.889	104	161.646	141	224.404	178	287.161	215	349.918	252	412.676
31	37.828	68	100.585	105	163.343	142	226.100	179	288.857	216	351.614	253	414.372
32	39.524	69	102.281	106	165.039	143	227.796	180	290.553	217	353.311	254	416.068
33	41.220	70	103.978	107	166.735	144	229.492	181	292.249	218	355.007		
34	42.916	71	105.674	108	168.431	145	231.188	182	293.946	219	356.703		
35	44.613	72	107.370	109	170.127	146	232.884	183	295.642	220	358.399		
36	46.309	73	109.066	110	171.823	147	234.581	184	297.338	221	360.095		
37	48.005	74	110.762	111	173.519	148	236.277	185	299.034	222	361.791		

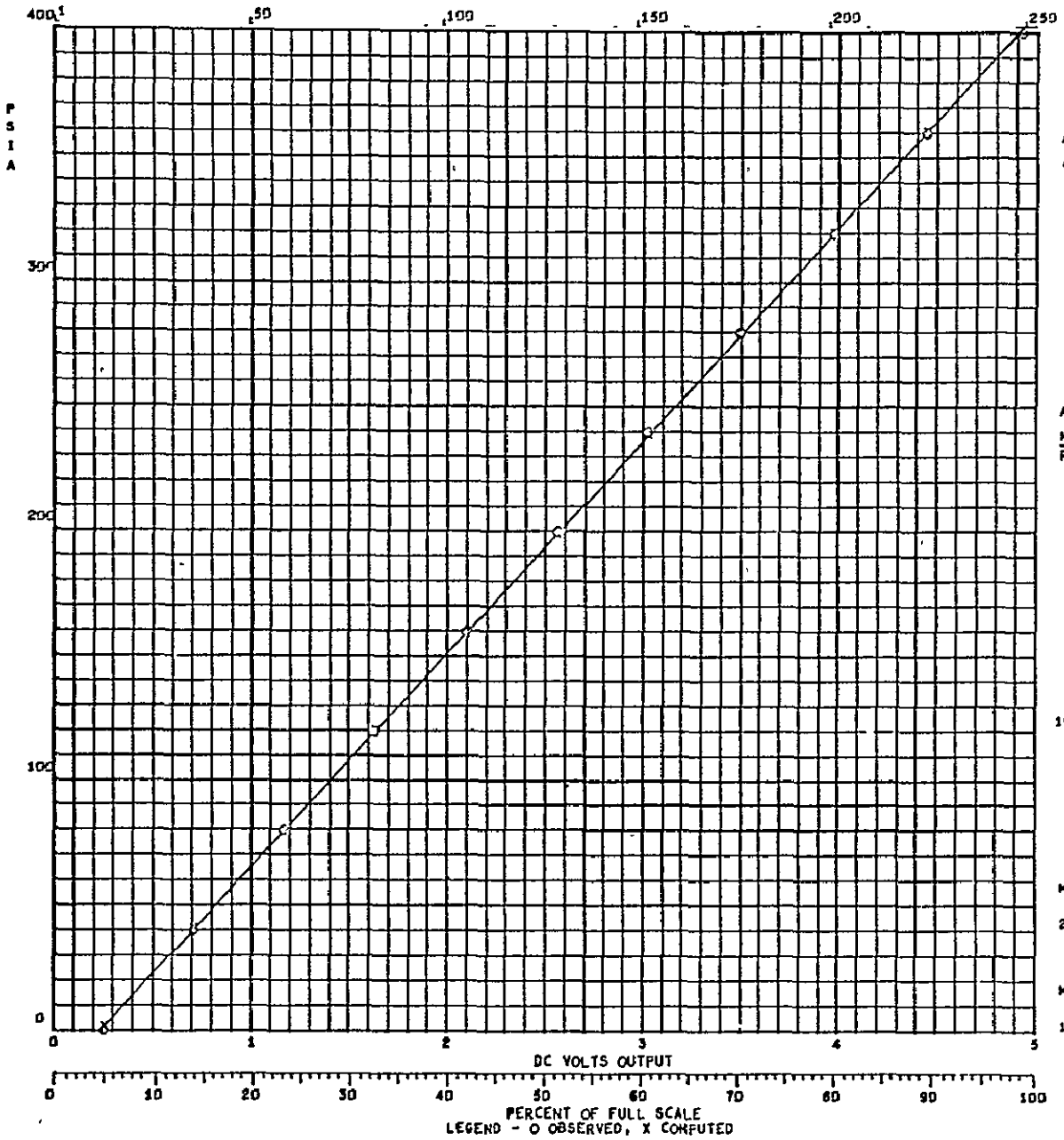
09/27/71
1 INSTALLATION DATE JULY 8,1961
P HE MANIFOLD PRESS
CAL RANGE 0 TO 400.000

SC-113

HARDWARE CALIB. NO. 57625 04 00 00

SERIAL NO. 10095442828A

=21515



EQUATION COEFFICIENTS

A_0= -1.994 E 01

A_1= 8.559 E 01

AL DEV= .86334

$\frac{MX\ DEV}{RANGE}$= .00215

0% = -1.994E 01

20% = 6.565E 01

40% = 1.512E 02

50% = 1.940E 02

60% = 2.368E 02

80% = 3.224E 02

100% = 4 080E 02

MEASUREMENT NO.

200SR5776P02

MEAS LOADING NO

1102912 12

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

S HE MANIFOLD PRESS

MEASUREMENT NO. 200SR5776P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442828A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-19.938	38	42.648	75	105.235	112	167.821	149	230.408	186	292.994	223	355.580
2	-18.247	39	44.340	76	106.926	113	169.513	150	232.099	187	294.685	224	357.272
3	-16.555	40	46.031	77	108.618	114	171.204	151	233.791	188	296.377	225	358.963
4	-14.864	41	47.723	78	110.309	115	172.896	152	235.482	189	298.068	226	360.655
5	-13.172	42	49.414	79	112.001	116	174.587	153	237.174	190	299.760	227	362.346
6	-11.481	43	51.106	80	113.692	117	176.279	154	238.865	191	301.452	228	364.038
7	-9.789	44	52.797	81	115.384	118	177.970	155	240.557	192	303.143	229	365.730
8	-8.097	45	54.489	82	117.075	119	179.662	156	242.248	193	304.835	230	367.421
9	-6.406	46	56.180	83	118.767	120	181.353	157	243.940	194	306.526	231	369.113
10	-4.714	47	57.872	84	120.458	121	183.045	158	245.631	195	308.218	232	370.804
11	-3.023	48	59.564	85	122.150	122	184.736	159	247.323	196	309.909	233	372.496
12	-1.331	49	61.255	86	123.841	123	186.428	160	249.014	197	311.601	234	374.187
13	0.360	50	62.947	87	125.533	124	188.119	161	250.706	198	313.292	235	375.879
14	2.052	51	64.638	88	127.225	125	189.811	162	252.397	199	314.984	236	377.570
15	3.743	52	66.330	89	128.916	126	191.502	163	254.089	200	316.675	237	379.262
16	5.435	53	68.021	90	130.608	127	193.194	164	255.780	201	318.367	238	380.953
17	7.126	54	69.713	91	132.299	128	194.885	165	257.472	202	320.058	239	382.645
18	8.818	55	71.404	92	133.991	129	196.577	166	259.163	203	321.750	240	384.336
19	10.509	56	73.096	93	135.682	130	198.269	167	260.855	204	323.441	241	386.028
20	12.201	57	74.787	94	137.374	131	199.960	168	262.546	205	325.133	242	387.719
21	13.892	58	76.479	95	139.065	132	201.652	169	264.238	206	326.824	243	389.411
22	15.584	59	78.170	96	140.757	133	203.343	170	265.930	207	328.516	244	391.102
23	17.275	60	79.862	97	142.448	134	205.035	171	267.621	208	330.207	245	392.794
24	18.967	61	81.553	98	144.140	135	206.726	172	269.313	209	331.899	246	394.486
25	20.658	62	83.245	99	145.831	136	208.418	173	271.004	210	333.591	247	396.177
26	22.350	63	84.936	100	147.523	137	210.109	174	272.696	211	335.282	248	397.869
27	24.042	64	86.628	101	149.214	138	211.801	175	274.387	212	336.974	249	399.560
28	25.733	65	88.319	102	150.906	139	213.492	176	276.079	213	338.665	250	401.252
29	27.425	66	90.011	103	152.597	140	215.184	177	277.770	214	340.357	251	402.943
30	29.116	67	91.702	104	154.289	141	216.875	178	279.462	215	342.048	252	404.635
31	30.808	68	93.394	105	155.980	142	218.567	179	281.153	216	343.740	253	406 326
32	32.499	69	95.086	106	157.672	143	220.258	180	282.845	217	345.431	254	408.018
33	34.191	70	96.777	107	159.363	144	221.950	181	284.536	218	347.123		
34	35.882	71	98.469	108	161.055	145	223.641	182	286.228	219	348.814		
35	37.574	72	100.160	109	162.747	146	225.333	183	287.919	220	350.506		
36	39.265	73	101.852	110	164.438	147	227.024	184	289.611	221	352.197		
37	40.957	74	103.543	111	166.130	148	228.716	185	291.302	222	353.889		

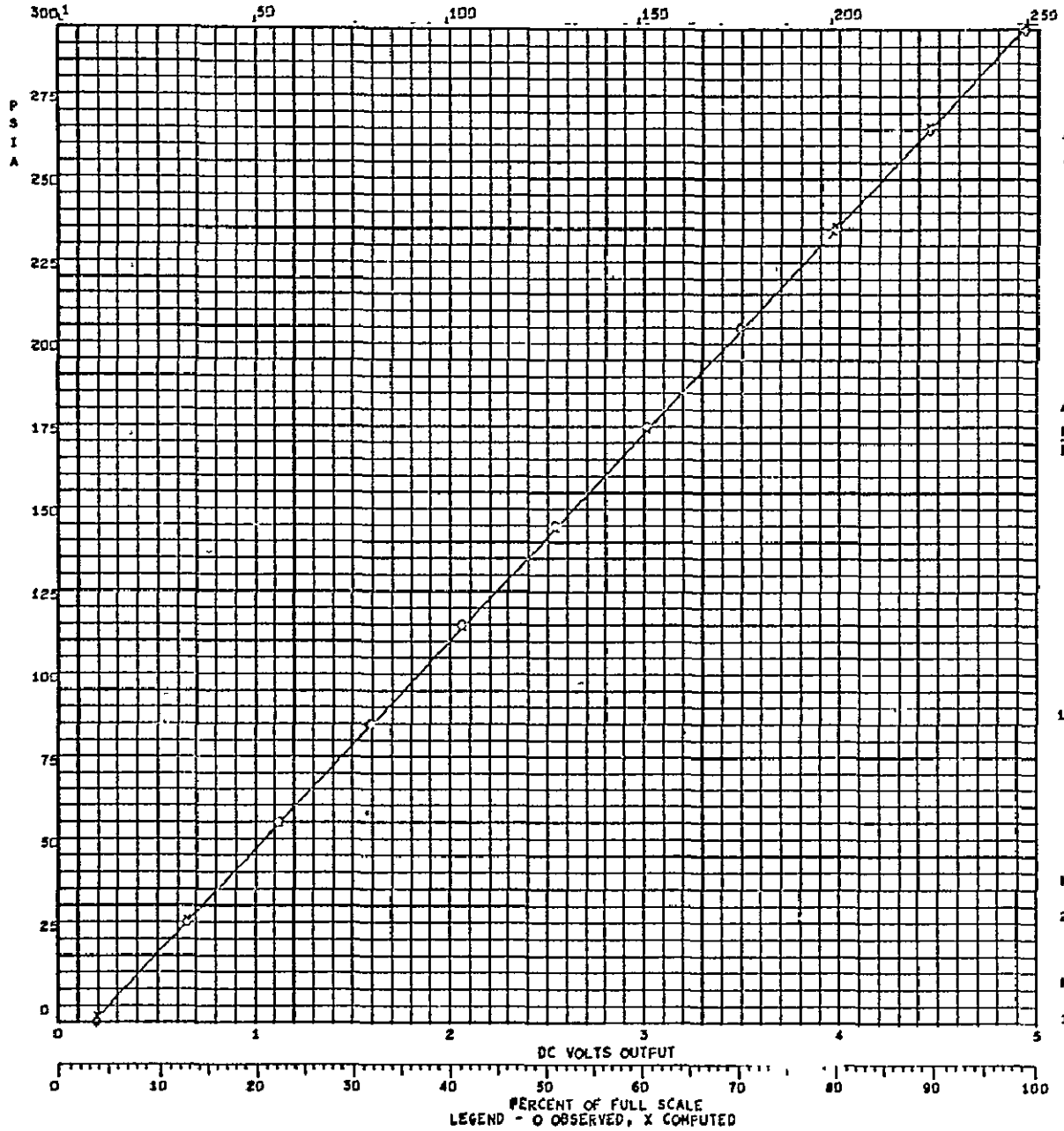
09/27/71
1 INSTALLATION DATE JULY 8,1961
OX MANIFOLD PR SYS B
CAL RANGE 0 TO 300.000

SC-113

HARDWARE CALIB. NO. 57416 04 00 00

SERIAL NO. 10095442995A

=21515



EQUATION COEFFICIENTS

A_0= -1.079 E 01

A_1= 6.316 E 01

AL DEV= .70106

$\frac{MX\ DEV}{RANGE}$= .00233

0% = -1.079E 01

20% = 5.237E 01

40% = 1.155E 02

50% = 1.471E 02

60% = 1.787E 02

80% = 2.419E 02

100% = 3.050E 02

MEASUREMENT NO.

200SR5780F03

MEAS LOADING NO.

1101589 12

**** CALIBRATION-TABLE OF 8-BIT COUNTS-VS ENGINEERING UNITS ****

OX MANIFOLD PR SYS B

MEASUREMENT NO. 200SR5780P03
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442995A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-10.790	38	35.395	75	81.579	112	127.764	149	173.949	186	220.134	223	266.318
2	-9.542	39	36.643	76	82.828	113	129.012	150	175.197	187	221.382	224	267.567
3	-8.294	40	37.891	77	84.076	114	130.261	151	176.445	188	222.630	225	268.815
4	-7.045	41	39.139	78	85.324	115	131.509	152	177.694	189	223.878	226	270.063
5	-5.797	42	40.388	79	86.572	116	132.757	153	178.942	190	225.127	227	271.311
6	-4.549	43	41.636	80	87.821	117	134.005	154	180.190	191	226.375	228	272.560
7	-3.301	44	42.884	81	89.069	118	135.254	155	181.438	192	227.623	229	273.808
8	-2.053	45	44.132	82	90.317	119	136.502	156	182.687	193	228.871	230	275.056
9	-0.804	46	45.380	83	91.565	120	137.750	157	183.935	194	230.120	231	276.304
10	0.444	47	46.629	84	92.813	121	138.998	158	185.183	195	231.368	232	277.553
11	1.692	48	47.877	85	94.062	122	140.247	159	186.431	196	232.616	233	278.801
12	2.940	49	49.125	86	95.310	123	141.495	160	187.680	197	233.864	234	280.049
13	4.189	50	50.373	87	96.558	124	142.743	161	188.928	198	235.113	235	281.297
14	5.437	51	51.622	88	97.806	125	143.991	162	190.176	199	236.361	236	282.546
15	6.685	52	52.870	89	99.055	126	145.239	163	191.424	200	237.609	237	283.794
16	7.933	53	54.118	90	100.303	127	146.488	164	192.672	201	238.857	238	285 042
17	9.182	54	55.366	91	101.551	128	147.736	165	193.921	202	240.105	239	286.290
18	10.430	55	56.615	92	102.799	129	148.984	166	195.169	203	241.354	240	287.539
19	11.678	56	57 863	93	104.048	130	150.232	167	196.417	204	242.602	241	288.787
20	12.926	57	59.111	94	105.296	131	151.481	168	197.665	205	243.850	242	290.035
21	14.175	58	60.359	95	106.544	132	152.729	169	198.914	206	245.098	243	291.283
22	15.423	59	61.608	96	107.792	133	153.977	170	200.162	207	246.347	244	292.531
23	16.671	60	62.856	97	109.041	134	155.225	171	201.410	208	247.595	245	293.780
24	17.919	61	64.104	98	110.289	135	156.474	172	202.658	209	248.843	246	295.028
25	19.168	62	65.352	99	111.537	136	157.722	173	203.907	210	250.091	247	296.276
26	20.416	63	66.601	100	112.785	137	158.970	174	205.155	211	251.340	248	297.524
27	21.664	64	67.849	101	114.034	138	160.218	175	206.403	212	252.588	249	298.773
28	22.912	65	69 097	102	115.282	139	161.467	176	207.651	213	253.836	250	300.021
29	24.160	66	70.345	103	116.530	140	162.715	177	208.900	214	255.084	251	301.269
30	25.409	67	71.593	104	117.778	141	163.963	178	210.148	215	256.333	252	302.517
31	26.657	68	72.842	105	119.026	142	165.211	179	211.396	216	257.581	253	303.766
32	27.905	69	74.090	106	120.275	143	166.459	180	212.644	217	258.829	254	305.014
33	29.153	70	75.338	107	121.523	144	167.708	181	213 892	218	260.077		
34	30.402	71	76.586	108	122.771	145	168.956	182	215.141	219	261.326		
35	31.650	72	77.835	109	124.019	146	170.204	183	216.389	220	262.574		
36	32.898	73	79.083	110	125.268	147	171.452	184	217.637	221	263.822		
37	34.146	74	80.331	111	126.516	148	172.701	185	218.885	222	265.070		

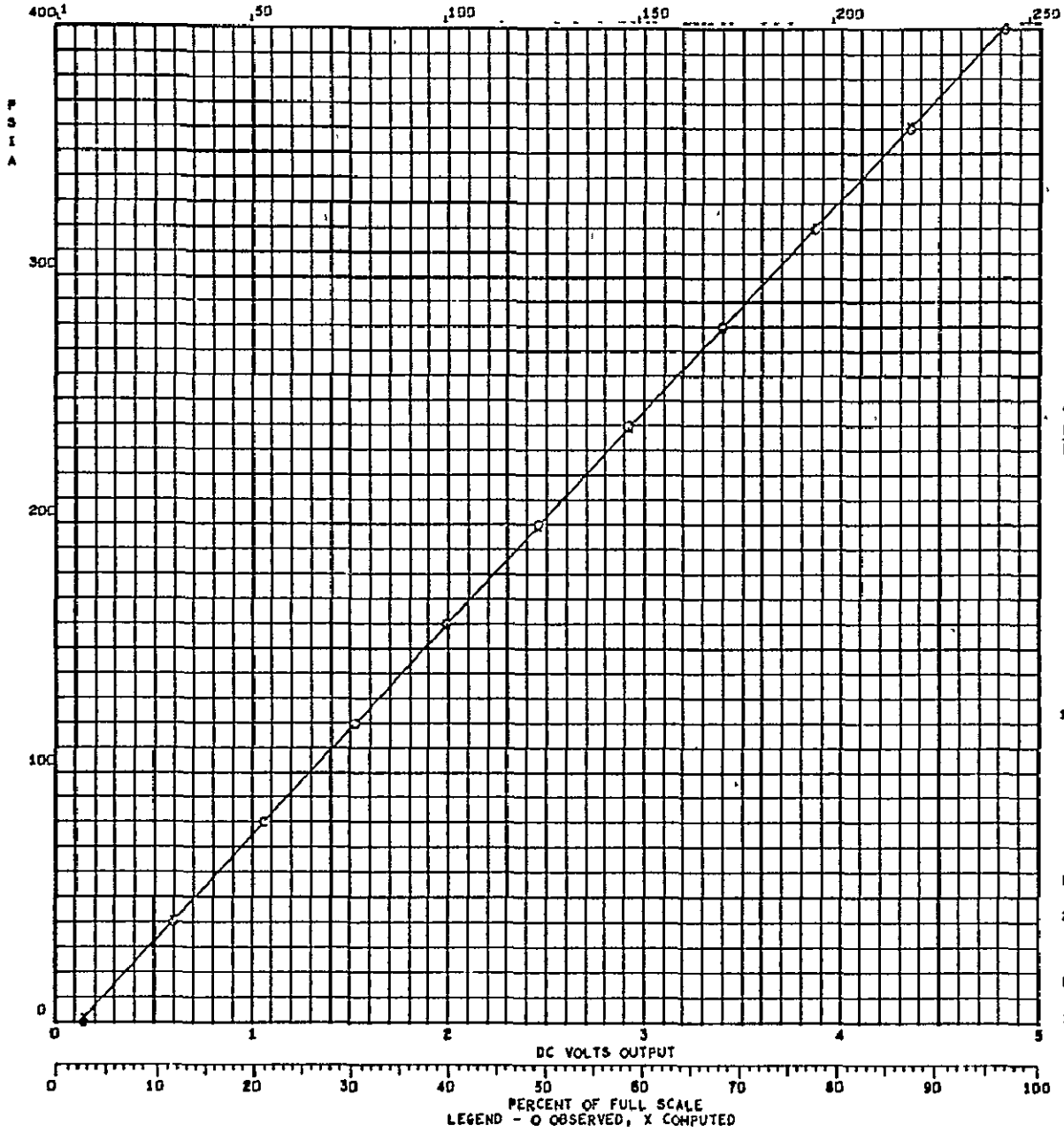
09/27/71
1 INSTALLATION DATE JULY 8,1961
FUEL MANIFOLD PR SYS B
CAL RANGE 0 TO 400.000

SC-113

HARDWARE CALIB. NO. 77046 01 00 00

SERIAL NO. 10308603209A

=21515



EQUATION COEFFICIENTS

A_0= -1.033 E 01

A_1= 8.537 E 01

AL DEV= .84346

$\frac{MX\ DEV}{RANGE}$ = .00210

0% = -1.033E 01

20% = 7.504E 01

40% = 1.604E 02

50% = 2.031E 02

60% = 2.458E 02

80% = 3 312E 02

100% = 4.165E 02

MEASUREMENT NO.

200SR5784P02

MEAS LOADING NO.

1103076 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FUEL MANIFOLD PR SYS B

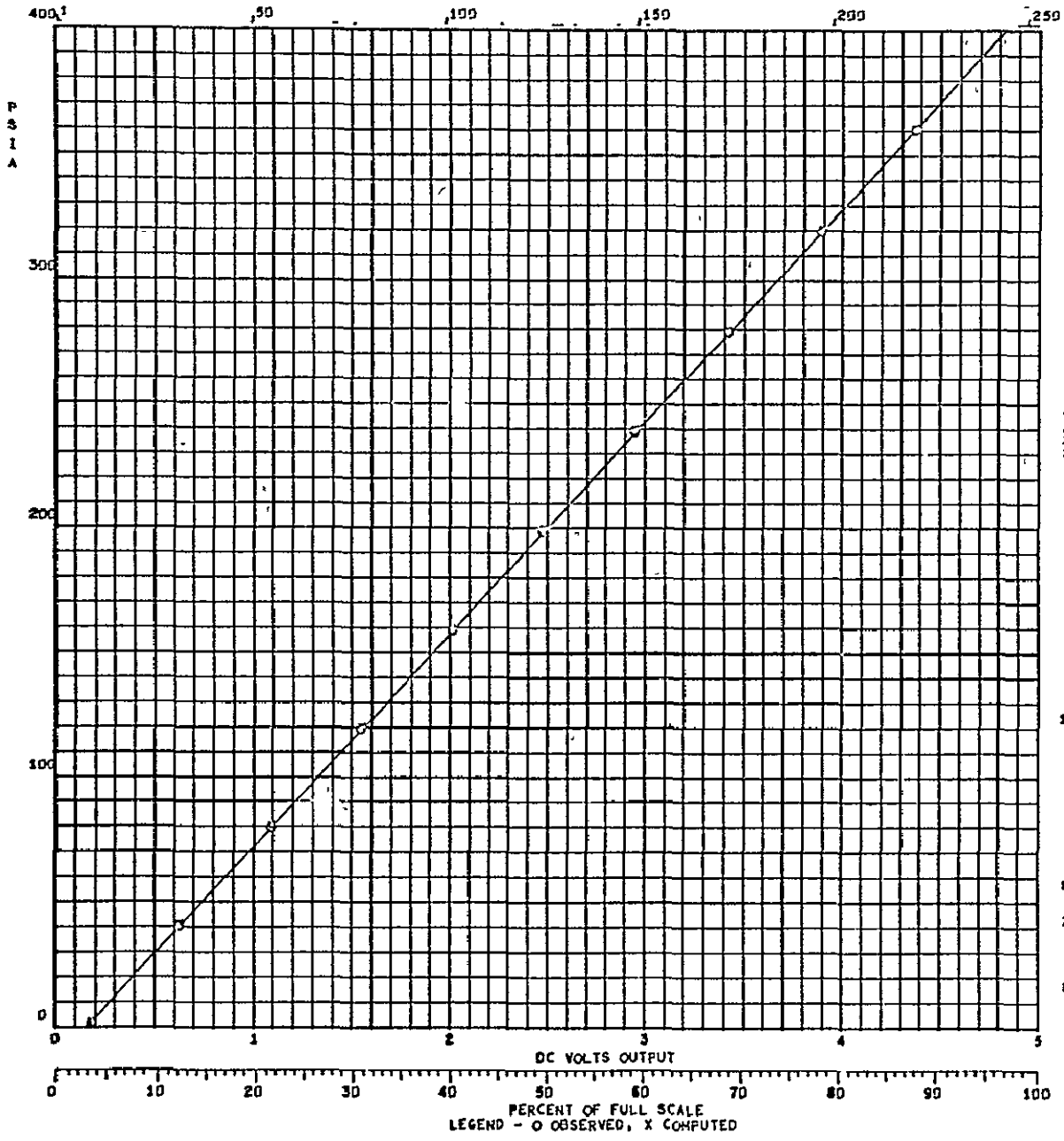
MEASUREMENT NO. 2005R5784P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603209A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 07/08/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-10.330	38	52.098	75	114.525	112	176.952	149	239.380	186	301.807	223	364.235
2	-8.643	39	53.785	76	116.212	113	178.640	150	241.067	187	303.495	224	365.922
3	-6.955	40	55.472	77	117.899	114	180.327	151	242.754	188	305.182	225	367.609
4	-5.268	41	57.159	78	119.587	115	182.014	152	244.442	189	306.869	226	369.297
5	-3.581	42	58.846	79	121.274	116	183.701	153	246.129	190	308.556	227	370.984
6	-1.894	43	60.534	80	122.961	117	185.389	154	247.816	191	310.243	228	372.671
7	-0.207	44	62.221	81	124.648	118	187.076	155	249.503	192	311.931	229	374.358
8	1.481	45	63.908	82	126.336	119	188.763	156	251.190	193	313.618	230	376.045
9	3.168	46	65.595	83	128.023	120	190.450	157	252.878	194	315.305	231	377.733
10	4.855	47	67.283	84	129.710	121	192.137	158	254.565	195	316.992	232	379.420
11	6.542	48	68.970	85	131.397	122	193.825	159	256.252	196	318.680	233	381.107
12	8.230	49	70.657	86	133.085	123	195.512	160	257.939	197	320.367	234	382.794
13	9.917	50	72.344	87	134.772	124	197.199	161	259.627	198	322.054	235	384.482
14	11.604	51	74.032	88	136.459	125	198.886	162	261.314	199	323.741	236	386.169
15	13.291	52	75.719	89	138.146	126	200.574	163	263.001	200	325.429	237	387.856
16	14.979	53	77.406	90	139.833	127	202.261	164	264.688	201	327.116	238	389.543
17	16.666	54	79.093	91	141.521	128	203.948	165	266.376	202	328.803	239	391 231
18	18.353	55	80.780	92	143.208	129	205.635	166	268.063	203	330.490	240	392.918
19	20.040	56	82.468	93	144.895	130	207.323	167	269.750	204	332.177	241	394.605
20	21.727	57	84.155	94	146.582	131	209.010	168	271.437	205	333.865	242	396.292
21	23.415	58	85.842	95	148.270	132	210.697	169	273.124	206	335.552	243	397.979
22	25.102	59	87.529	96	149.957	133	212.384	170	274.812	207	337.239	244	399.667
23	26.789	60	89.217	97	151.644	134	214.071	171	276.499	208	338.926	245	401.354
24	28.476	61	90.904	98	153.331	135	215.759	172	278.186	209	340.614	246	403.041
25	30.164	62	92.591	99	155.018	136	217.446	173	279.873	210	342.301	247	404.728
26	31.851	63	94.278	100	156.706	137	219.133	174	281.561	211	343.988	248	406.416
27	33.538	64	95.965	101	158.393	138	220.820	175	283.248	212	345.675	249	408.103
28	35.225	65	97.653	102	160.080	139	222.508	176	284.935	213	347.363	250	409.790
29	36.913	66	99.340	103	161.767	140	224.195	177	286.622	214	349.050	251	411.477
30	38.600	67	101.027	104	163.455	141	225.882	178	288.309	215	350.737	252	413.165
31	40.287	68	102.714	105	165.142	142	227.569	179	289.997	216	352.424	253	414.852
32	41.974	69	104.402	106	166.829	143	229.257	180	291.684	217	354.111	254	416.539
33	43.661	70	106.089	107	168.516	144	230.944	181	293.371	218	355.799		
34	45.349	71	107.776	108	170.204	145	232.631	182	295.058	219	357.486		
35	47.036	72	109.463	109	171.891	146	234.318	183	296.746	220	359.173		
36	48.723	73	111.151	110	173.578	147	236.005	184	298.433	221	360.860		
37	50.410	74	112.838	111	175.265	148	237.693	185	300.120	222	362.548		

09/27/71
1 INSTALLATION DATE MARCH 17,1969
C ME MANIFOLD PRESS
CAL RANGE 1.60067 TO 401.417

SC-113

HARDWARE CALIB. NO. 77072 01 00 00
SERIAL NO. 10308603166A
=21515



EQUATION COEFFICIENTS

A_0= -1.303 E 01
A_1= 8.558 E 01

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$= 0

0% = -1.303E 01
20% = 7.254E 01
40% = 1.581E 02
50% = 2.009E 02
60% = 2.437E 02
80% = 3.293E 02
100% = 4.149E 02

MEASUREMENT NO.
Z00SR5817F01

MEAS LOADING NO
1102041 12 20

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

C HE MANIFOLD PRESS

MEASUREMENT NO. 200SR5817P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10306603166A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

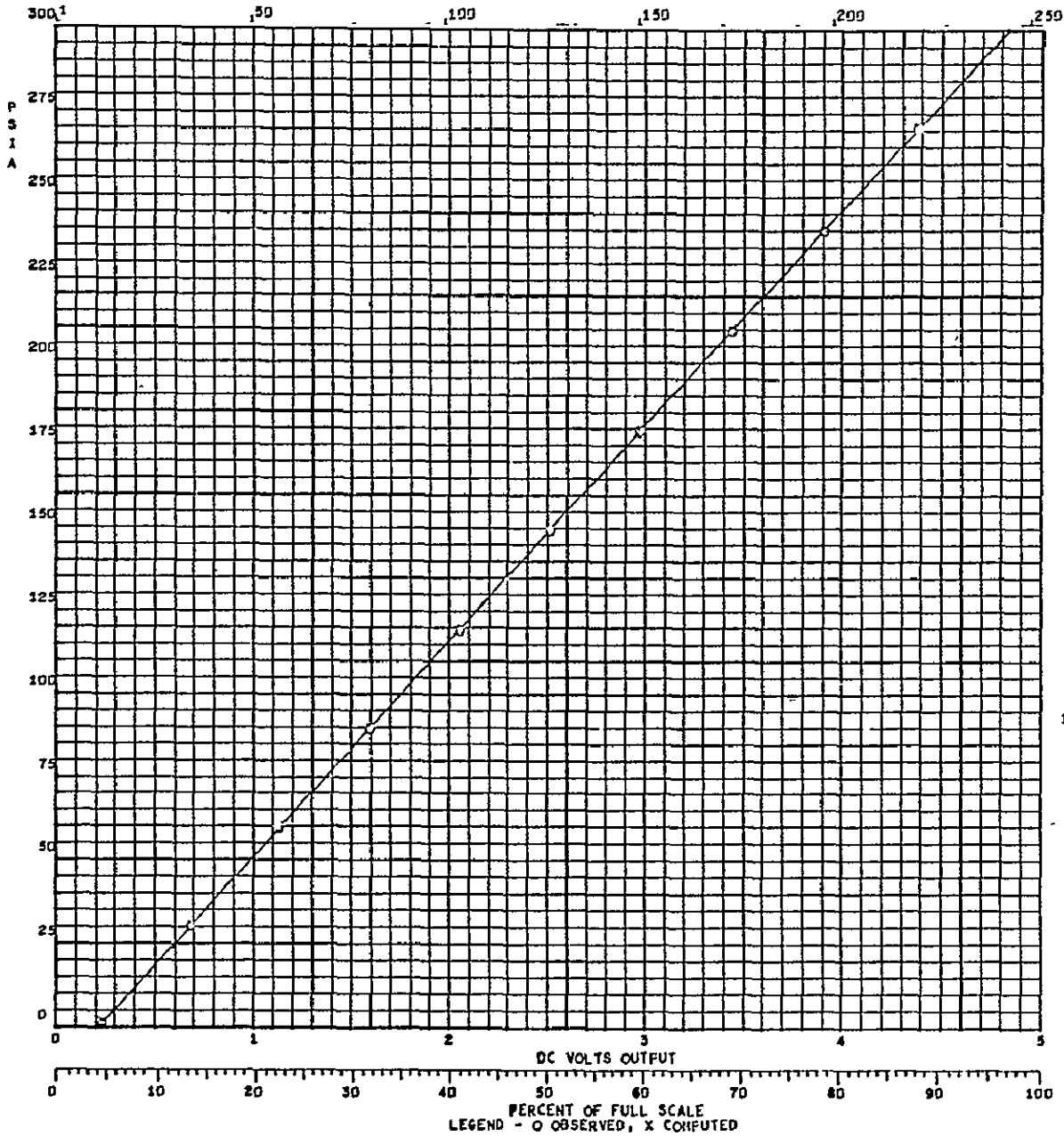
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-13.033	38	49.543	75	112.120	112	174.696	149	237.272	186	299.848	223	362.425
2	-11.342	39	51.234	76	113.811	113	176.387	150	238.963	187	301.540	224	364.116
3	-9.651	40	52.926	77	115.502	114	178.078	151	240.655	188	303.231	225	365.807
4	-7.959	41	54.617	78	117.193	115	179.770	152	242.346	189	304.922	226	367.498
5	-6.268	42	56.308	79	118.885	116	181.461	153	244.037	190	306.613	227	369.190
6	-4.577	43	58.000	80	120.576	117	183.152	154	245.728	191	308.305	228	370.881
7	-2.886	44	59.691	81	122.267	118	184.843	155	247.420	192	309.996	229	372.572
8	-1.194	45	61.382	82	123.958	119	186.535	156	249.111	193	311.687	230	374.263
9	0.497	46	63.073	83	125.650	120	188.226	157	250.802	194	313.378	231	375.955
10	2.188	47	64.765	84	127.341	121	189.917	158	252.493	195	315.070	232	377.646
11	3.879	48	66.456	85	129.032	122	191.608	159	254.185	196	316.761	233	379.337
12	5.571	49	68.147	86	130.723	123	193.300	160	255.876	197	318.452	234	381.028
13	7.262	50	69.838	87	132.415	124	194.991	161	257.567	198	320.143	235	382.720
14	8.953	51	71.530	88	134.106	125	196.682	162	259 258	199	321.835	236	384.411
15	10.644	52	73.221	89	135.797	126	198.373	163	260.950	200	323.526	237	386.102
16	12.336	53	74.912	90	137.488	127	200.065	164	262.641	201	325.217	238	387.794
17	14.027	54	76.603	91	139.180	128	201.756	165	264.332	202	326.908	239	389.485
18	15.718	55	78.295	92	140.871	129	203.447	166	266.023	203	328.600	240	391.176
19	17.409	56	79.986	93	142.562	130	205.138	167	267.715	204	330.291	241	392.867
20	19.101	57	81.677	94	144.253	131	206.830	168	269.406	205	331.982	242	394.559
21	20.792	58	83.368	95	145.945	132	208.521	169	271.097	206	333.673	243	396.250
22	22.483	59	85.060	96	147.636	133	210.212	170	272.788	207	335.365	244	397.941
23	24.174	60	86.751	97	149.327	134	211.903	171	274.480	208	337.056	245	399.632
24	25.866	61	88.442	98	151.018	135	213.595	172	276.171	209	338.747	246	401.324
25	27.557	62	90.133	99	152.710	136	215.286	173	277.862	210	340.438	247	403.015
26	29.248	63	91.825	100	154.401	137	216.977	174	279.553	211	342.130	248	404.706
27	30.939	64	93.516	101	156.092	138	218.668	175	281.245	212	343.821	249	406.397
28	32.631	65	95.207	102	157.783	139	220.360	176	282.936	213	345.512	250	408.089
29	34.322	66	96.898	103	159.475	140	222.051	177	284.627	214	347.203	251	409.780
30	36.013	67	98.590	104	161.166	141	223.742	178	286.318	215	348.895	252	411.471
31	37.704	68	100.281	105	162.857	142	225.433	179	288.010	216	350.586	253	413.162
32	39.396	69	101.972	106	164.548	143	227.125	180	289.701	217	352.277	254	414.854
33	41.087	70	103.663	107	166.240	144	228.816	181	291.392	218	353.968		
34	42.778	71	105.355	108	167.931	145	230.507	182	293 083	219	355.660		
35	44.469	72	107.046	109	169.622	146	232.198	183	294.775	220	357.351		
36	46.161	73	108.737	110	171.313	147	233.890	184	296.466	221	359.042		
37	47.852	74	110.428	111	173.005	148	235.581	185	298.157	222	360.733		

09/27/71
1 INSTALLATION DATE MARCH 17,1969
OX MANIFOLD PR SYS C
CAL RANGE 1.21569 TO 301.030

SC-113

HARDWARE CALIB. NO. 57623 02 00 00
SERIAL NO. 10095442998A

=21515



EQUATION COEFFICIENTS

A_0= -1.400 E 01
A_1= 6.501 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% =-1.400E 01
20% = 5.101E 01
40% = 1.160E 02
50% = 1.485E 02
60% = 1.810E 02
80% = 2.460E 02
100% = 3.110E 02

MEASUREMENT NO.
200SR5820P01

MEAS LOADING NO.
1101932 12 29

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

OX MANIFOLD PR SYS C

MEASUREMENT NO. 200SR5820P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442998A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/17/69

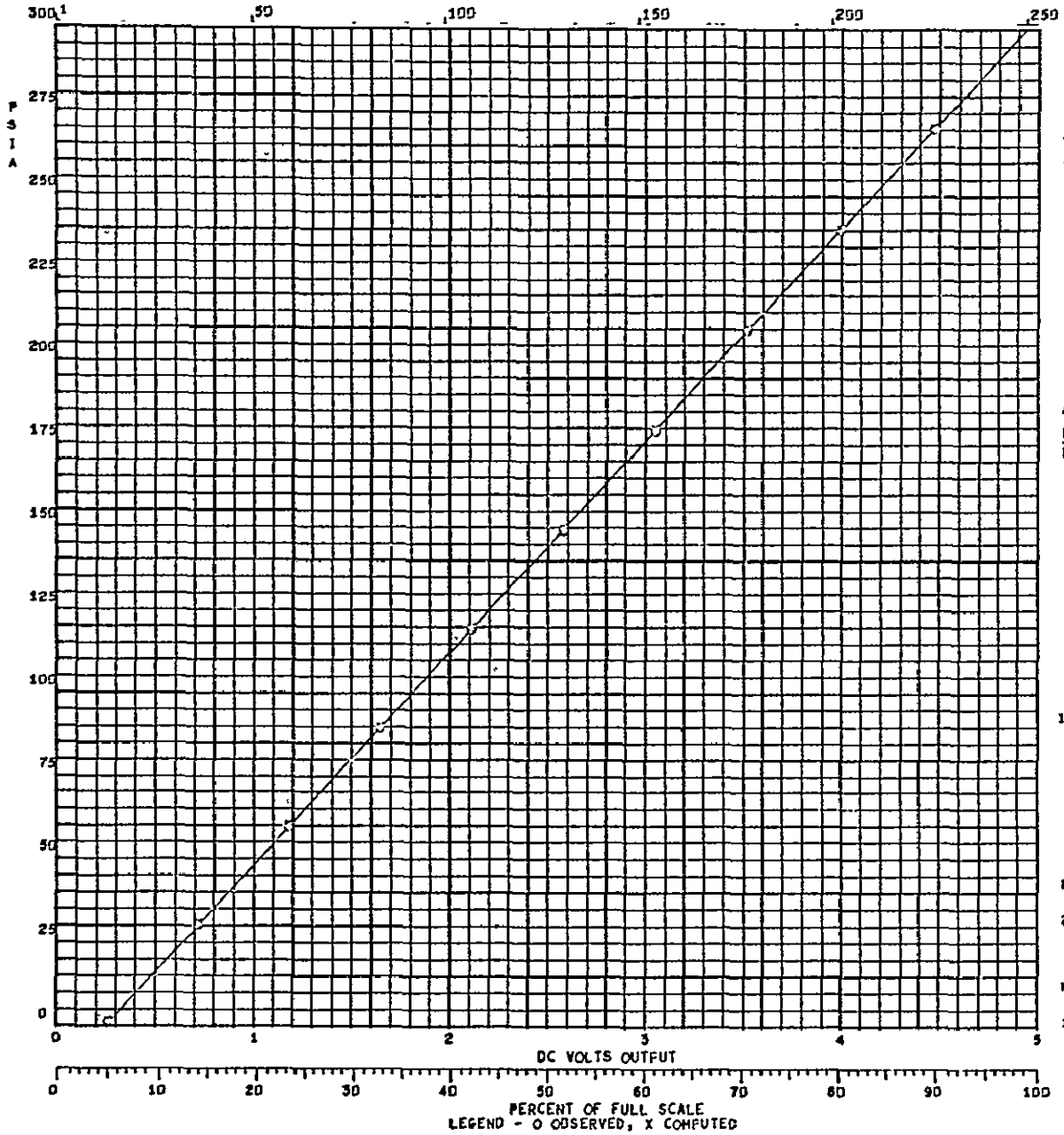
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-13.996	38	33.539	75	81.074	112	128.609	149	176.144	186	223.679	223	271.214
2	-12.711	39	34.824	76	82.359	113	129.894	150	177.429	187	224.964	224	272.499
3	-11.427	40	36.108	77	83.644	114	131.179	151	178.714	188	226 249	225	273.784
4	-10.142	41	37.393	78	84.928	115	132.463	152	179.998	189	227.534	226	275.069
5	-8.857	42	38.678	79	86.213	116	133.748	153	181.283	190	228.818	227	276.353
6	-7.572	43	39.963	80	87.498	117	135.033	154	182.568	191	230.103	228	277.638
7	-6.288	44	41.247	81	88.782	118	136.318	155	183.853	192	231.388	229	278.923
8	-5.003	45	42.532	82	90.067	119	137.602	156	185.137	193	232.672	230	280.208
9	-3.718	46	43.817	83	91.352	120	138.887	157	186.422	194	233.957	231	281.492
10	-2.433	47	45.102	84	92.637	121	140.172	158	187.707	195	235.242	232	282.777
11	-1.149	48	46.386	85	93.921	122	141.456	159	188.992	196	236.527	233	284.062
12	0.136	49	47.671	86	95.206	123	142.741	160	190.276	197	237.811	234	285.347
13	1.421	50	48.956	87	96.491	124	144.026	161	191.561	198	239.096	235	286.631
14	2.705	51	50.241	88	97.776	125	145.311	162	192.846	199	240.381	236	287.916
15	3.990	52	51.525	89	99.060	126	146.595	163	194.130	200	241.666	237	289.201
16	5.275	53	52.810	90	100.345	127	147.880	164	195.415	201	242.950	238	290.485
17	6.560	54	54.095	91	101.630	128	149.165	165	196.700	202	244.235	239	291.770
18	7.844	55	55.379	92	102.915	129	150.450	166	197.985	203	245.520	240	293.055
19	9.129	56	56.664	93	104.199	130	151.734	167	199.269	204	246.804	241	294.340
20	10.414	57	57.949	94	105.484	131	153.019	168	200.554	205	248.089	242	295.624
21	11.699	58	59.234	95	106.769	132	154.304	169	201.839	206	249.374	243	296.909
22	12.983	59	60.518	96	108.053	133	155.589	170	203.124	207	250.659	244	298.194
23	14.268	60	61.803	97	109.338	134	156 873	171	204.408	208	251.943	245	299.479
24	15.553	61	63.088	98	110.623	135	158.158	172	205.693	209	253 228	246	300.763
25	16.838	62	64.373	99	111.908	136	159.443	173	206.978	210	254.513	247	302.048
26	18.122	63	65.657	100	113.192	137	160.727	174	208.263	211	255 798	248	303.333
27	19.407	64	66.942	101	114.477	138	162.012	175	209.547	212	257.082	249	304.618
28	20.692	65	68.227	102	115.762	139	163.297	176	210.832	213	258.367	250	305.902
29	21.976	66	69.512	103	117.047	140	164.582	177	212.117	214	259 652	251	307.187
30	23.261	67	70.796	104	118.331	141	165.866	178	213.401	215	260.937	252	308.472
31	24.546	68	72.081	105	119.616	142	167.151	179	214.686	216	262.221	253	309.756
32	25.831	69	73.366	106	120.901	143	168.436	180	215.971	217	263.506	254	311.041
33	27.115	70	74.650	107	122.186	144	169.721	181	217.256	218	264.791		
34	28.400	71	75.935	108	123.470	145	171.005	182	218.540	219	266.076		
35	29.685	72	77.220	109	124.755	146	172.290	183	219.825	220	267.360		
36	30.970	73	78.505	110	126.040	147	173.575	184	221.110	221	268.645		
37	32.254	74	79.789	111	127.324	148	174.860	185	222.395	222	269.930		

09/27/71
1 INSTALLATION DATE MARCH 28,1969
OX MANIFOLD PR SYS D
CAL RANGE 1.08437 TO 300.869

SC-113

HARDWARE CALIB. NO. 75100 02 00 00
SERIAL NO. 10095442947A

#21515



EQUATION COEFFICIENTS

A_0= -1.549 E 01
A_1= 6.397 E 01

AL DEV= 0
MX DEV / RANGE = 0

0% = -1.549E 01
20% = 4.849E 01
40% = 1.125E 02
50% = 1.445E 02
60% = 1.764E 02
80% = 2 404E 02
100% = 3.044E 02

MEASUREMENT NO.
200SR5821P01

MEAS LOADING NO
1151155 12 25

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

OX MANIFOLD PR SYS B

MEASUREMENT NO. 200SR5821P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442947A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/28/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-15.485	38	31.295	75	78.075	112	124.855	149	171.635	186	218.414	223	265.194
2	-14.221	39	32.559	76	79.339	113	126.119	150	172.899	187	219.679	224	266.459
3	-12.956	40	33.823	77	80.603	114	127.383	151	174.163	188	220.943	225	267.723
4	-11.692	41	35.088	78	81.868	115	128.648	152	175.427	189	222 207	226	268.987
5	-10.428	42	36.352	79	83.132	116	129.912	153	176.692	190	223.472	227	270.252
6	-9.163	43	37.616	80	84.396	117	131.176	154	177.956	191	224.736	228	271.516
7	-7.899	44	38.881	81	85.661	118	132.441	155	179.220	192	226.000	229	272.780
8	-6.635	45	40.145	82	86.925	119	133.705	156	180.485	193	227.265	230	274.045
9	-5.370	46	41.409	83	88.189	120	134.969	157	181.749	194	228.529	231	275.309
10	-4.106	47	42.674	84	89.454	121	136.234	158	183.013	195	229.793	232	276.573
11	-2.842	48	43.938	85	90.718	122	137.498	159	184.278	196	231.058	233	277.838
12	-1.578	49	45.202	86	91.982	123	138.762	160	185.542	197	232.322	234	279.102
13	-0.313	50	46.467	87	93.247	124	140.026	161	186.806	198	233.586	235	280 366
14	0.951	51	47.731	88	94.511	125	141.291	162	188.071	199	234.851	236	281.631
15	2.215	52	48.995	89	95.775	126	142.555	163	189.335	200	236.115	237	282.895
16	3.480	53	50.260	90	97.040	127	143 819	164	190.599	201	237.379	238	284.159
17	4.744	54	51.524	91	98.304	128	145.084	165	191.864	202	238.644	239	285.424
18	6.008	55	52.788	92	99.568	129	146.348	166	193.128	203	239.908	240	286.688
19	7.273	56	54.053	93	100.833	130	147.612	167	194.392	204	241.172	241	287.952
20	8.537	57	55.317	94	102.097	131	148.877	168	195 657	205	242.437	242	289.216
21	9.801	58	56.581	95	103.361	132	150.141	169	196.921	206	243.701	243	290.481
22	11.066	59	57.846	96	104.625	133	151.405	170	198.185	207	244.965	244	291.745
23	12.330	60	59.110	97	105.890	134	152.670	171	199.450	208	246.229	245	293.009
24	13.594	61	60.374	98	107.154	135	153.934	172	200.714	209	247.494	246	294.274
25	14.859	62	61.639	99	108.418	136	155.198	173	201.978	210	248.758	247	295.538
26	16.123	63	62.903	100	109.683	137	156.463	174	203.243	211	250.022	248	296.802
27	17.387	64	64.167	101	110.947	138	157.727	175	204.507	212	251.287	249	298.067
28	18.652	65	65.432	102	112.211	139	158.991	176	205.771	213	252.551	250	299 331
29	19.916	66	66.696	103	113.476	140	160.256	177	207.036	214	253.815	251	300.595
30	21.180	67	67.960	104	114.740	141	161.520	178	208.300	215	255.080	252	301.860
31	22.445	68	69.224	105	116.004	142	162.784	179	209 564	216	256.344	253	303.124
32	23.709	69	70.489	106	117.269	143	164.049	180	210.828	217	257.608	254	304 388
33	24.973	70	71.753	107	118.533	144	165.313	181	212.093	218	258 873		
34	26.238	71	73.017	108	119.797	145	166.577	182	213.357	219	260.137		
35	27.502	72	74.282	109	121.062	146	167.842	183	214.621	220	261.401		
36	28.766	73	75.546	110	122.326	147	169.106	184	215.886	221	262.666		
37	30.031	74	76.810	111	123.590	148	170.370	185	217.150	222	263.930		

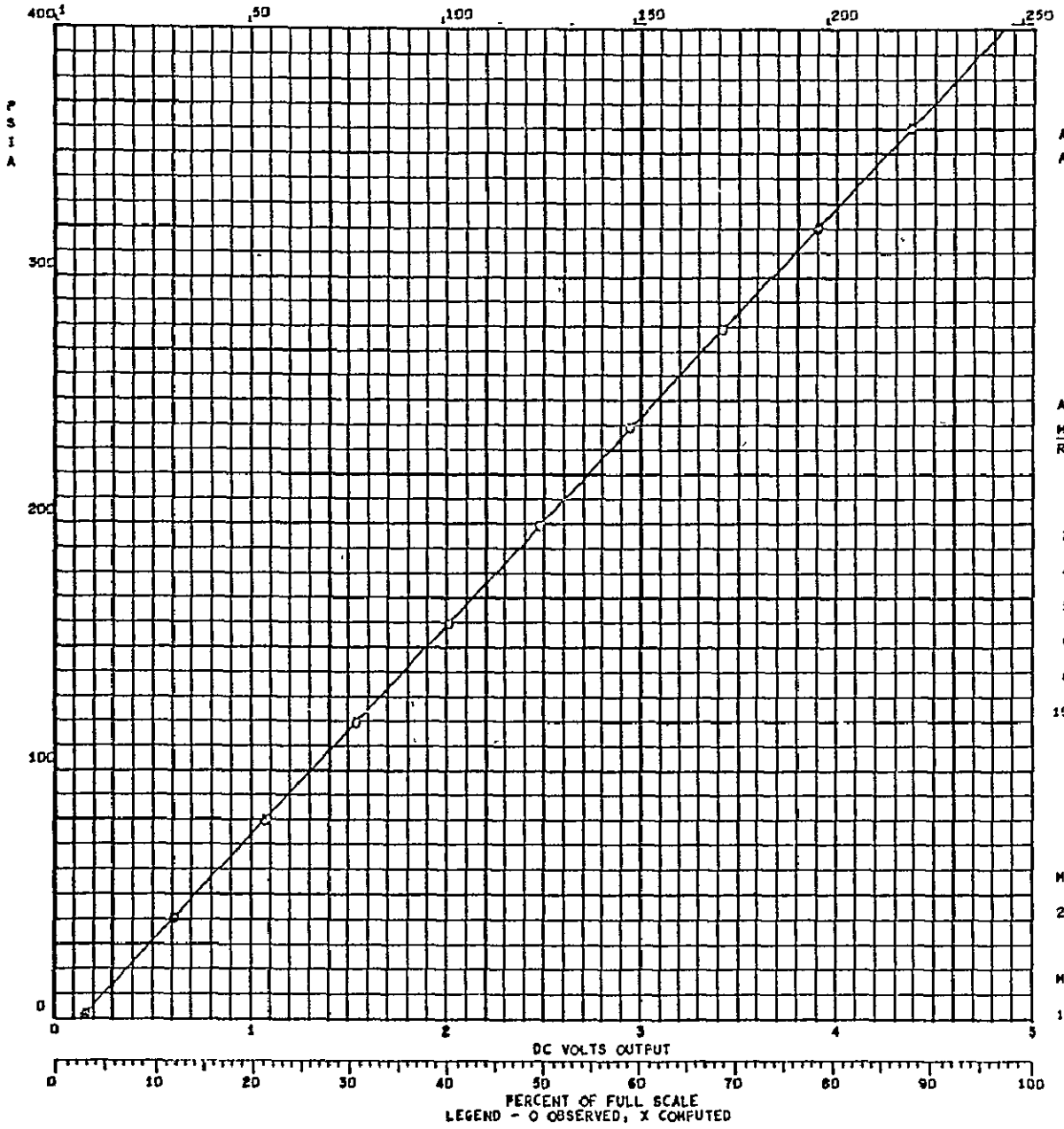
09/27/71
1 INSTALLATION DATE MARCH 21,1969
FUEL MANIFOLD PR SYS C
CAL RANGE 1.73995 TO 401.418

SC-113

HARDWARE CALIB. NO. 77124 01 00 00

SERIAL NO. 10308603186A

=21515



EQUATION COEFFICIENTS

A_0= -1.134 E 01

A_1= 8.495 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.134E 01

20% = 7.361E 01

40% = 1.586E 02

50% = 2.010E 02

60% = 2.435E 02

80% = 3.284E 02

100% = 4.134E 02

MEASUREMENT NO

200SR5822F01

MEAS LOADING NO.

1104011 12 20

**** CALIBRATION TABLE-OF 8-BIT-COUNTS-VS ENGINEERING UNITS ****

FUEL MANIFOLD PR SYS C

MEASUREMENT NO. 200SR5822P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603186A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/21/69

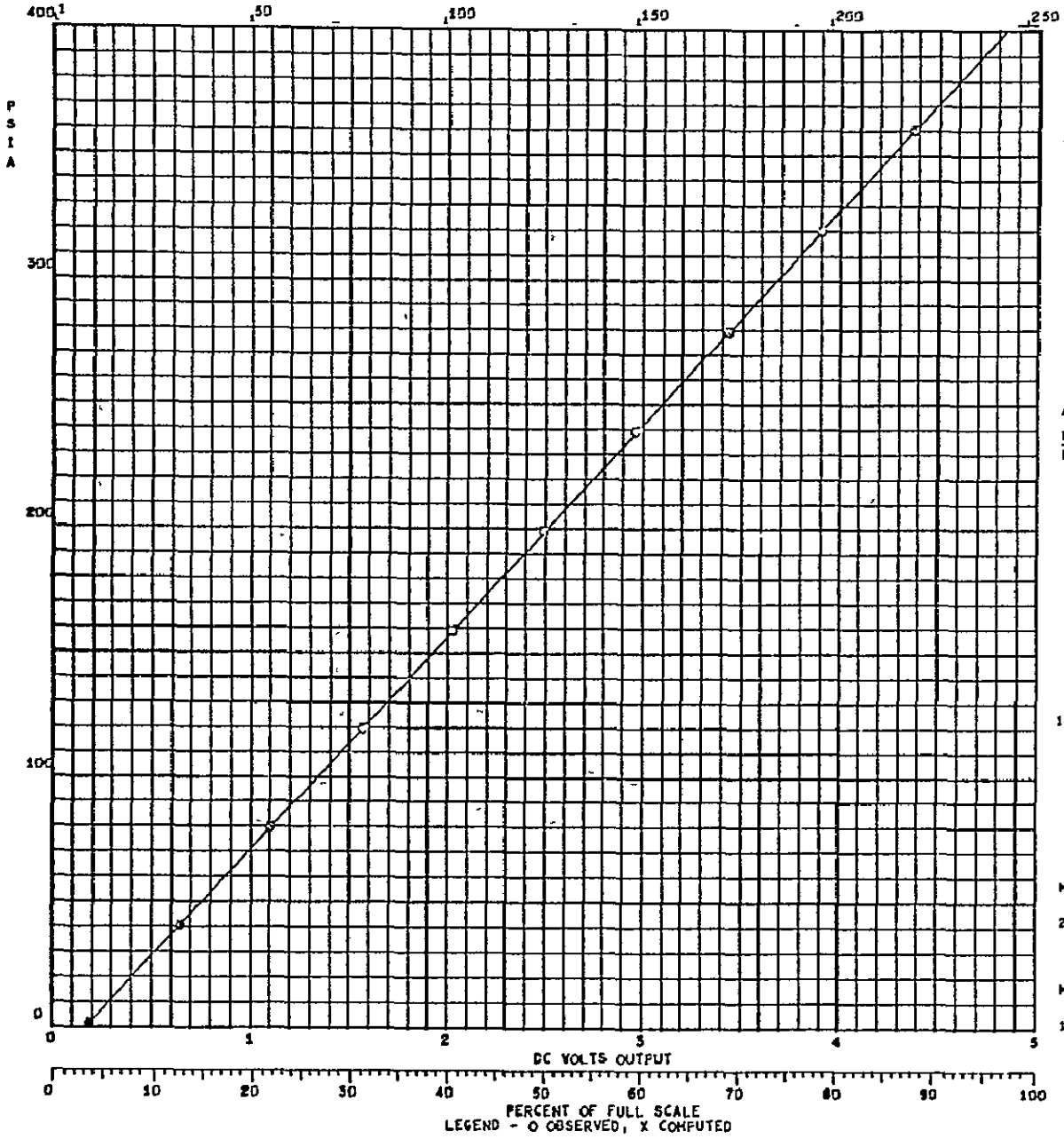
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-11.342	38	50.774	75	112.890	112	175.006	149	237.121	186	299.237	223	361.353
2	-9.663	39	52.453	76	114.569	113	176.684	150	238.800	187	300.916	224	363.032
3	-7.984	40	54.131	77	116.247	114	178.363	151	240.479	188	302.595	225	364.711
4	-6.306	41	55.810	78	117.926	115	180.042	152	242.158	189	304.274	226	366.390
5	-4.627	42	57.489	79	119.605	116	181.721	153	243.837	190	305.952	227	368.068
6	-2.948	43	59.168	80	121.284	117	183.400	154	245.515	191	307.631	228	369.747
7	-1.269	44	60.847	81	122.963	118	185.078	155	247.194	192	309.310	229	371.426
8	0.410	45	62.526	82	124.641	119	186.757	156	248.873	193	310.989	230	373.105
9	2.088	46	64.204	83	126.320	120	188.436	157	250.552	194	312.668	231	374.784
10	3.767	47	65.883	84	127.999	121	190.115	158	252.231	195	314.346	232	376.462
11	5.446	48	67.562	85	129.678	122	191.794	159	253.909	196	316.025	233	378.141
12	7.125	49	69.241	86	131.357	123	193.472	160	255.588	197	317.704	234	379.820
13	8.804	50	70.920	87	133.035	124	195.151	161	257.267	198	319.383	235	381.499
14	10.483	51	72.598	88	134.714	125	196.830	162	258.946	199	321.062	236	383.178
15	12.161	52	74.277	89	136.393	126	198.509	163	260.625	200	322.741	237	384.856
16	13.840	53	75.956	90	138.072	127	200.188	164	262.303	201	324.419	238	386.535
17	15.519	54	77.635	91	139.751	128	201.866	165	263.982	202	326.098	239	388.214
18	17.198	55	79.314	92	141.429	129	203.545	166	265.661	203	327.777	240	389.893
19	18.877	56	80.992	93	143.108	130	205.224	167	267.340	204	329.456	241	391.572
20	20.555	57	82.671	94	144.787	131	206.903	168	269.019	205	331.135	242	393.250
21	22.234	58	84.350	95	146.466	132	208.582	169	270.698	206	332.813	243	394.929
22	23.913	59	86.029	96	148.145	133	210.260	170	272.376	207	334.492	244	396.608
23	25.592	60	87.708	97	149.823	134	211.939	171	274.055	208	336.171	245	398.287
24	27.271	61	89.386	98	151.502	135	213.618	172	275.734	209	337.850	246	399.966
25	28.949	62	91.065	99	153.181	136	215.297	173	277.413	210	339.529	247	401.645
26	30.628	63	92.744	100	154.860	137	216.976	174	279.092	211	341.207	248	403.323
27	32.307	64	94.423	101	156.539	138	218.655	175	280.770	212	342.886	249	405.002
28	33.986	65	96.102	102	158 217	139	220.333	176	282.449	213	344.565	250	406.681
29	35.665	66	97.780	103	159.896	140	222.012	177	284.128	214	346.244	251	408.360
30	37.343	67	99.459	104	161.575	141	223.691	178	285.807	215	347.923	252	410.039
31	39.022	68	101.138	105	163.254	142	225.370	179	287.486	216	349.601	253	411.717
32	40.701	69	102.817	106	164.933	143	227.049	180	289.164	217	351.280	254	413.396
33	42.380	70	104 496	107	166.612	144	228.727	181	290.843	218	352.959		
34	44.059	71	106.174	108	168.290	145	230.406	182	292.522	219	354.638		
35	45.737	72	107.853	109	169.969	146	232.085	183	294.201	220	356.317		
36	47.416	73	109.532	110	171.648	147	233.764	184	295.880	221	357.995		
37	49.095	74	111.211	111	173.327	148	235.443	185	297.558	222	359.674		

09/27/71
1 INSTALLATION DATE MARCH 28,1969
FUEL MANIFOLD FR SYS D
CAL RANGE 1.52920 TO 401.408

SC-113

HARDWARE CALIB. NO. 77127 01 00 00
SERIAL NO. 1030803202A

=21515



EQUATION COEFFICIENTS

A_0= -1.441 E 01
A_1= 8.572 E 01

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.441E 01
20% = 7.130E 01
40% = 1.570E 02
50% = 1.999E 02
60% = 2.427E 02
80% = 3.285E 02
100% = 4.142E 02

MEASUREMENT NO.
200SR5823F01

MEAS LOADING NO.
1104012 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FUEL MANIFOLD PR SYS D

MEASUREMENT NO. 200SR5823P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308603202A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/28/69

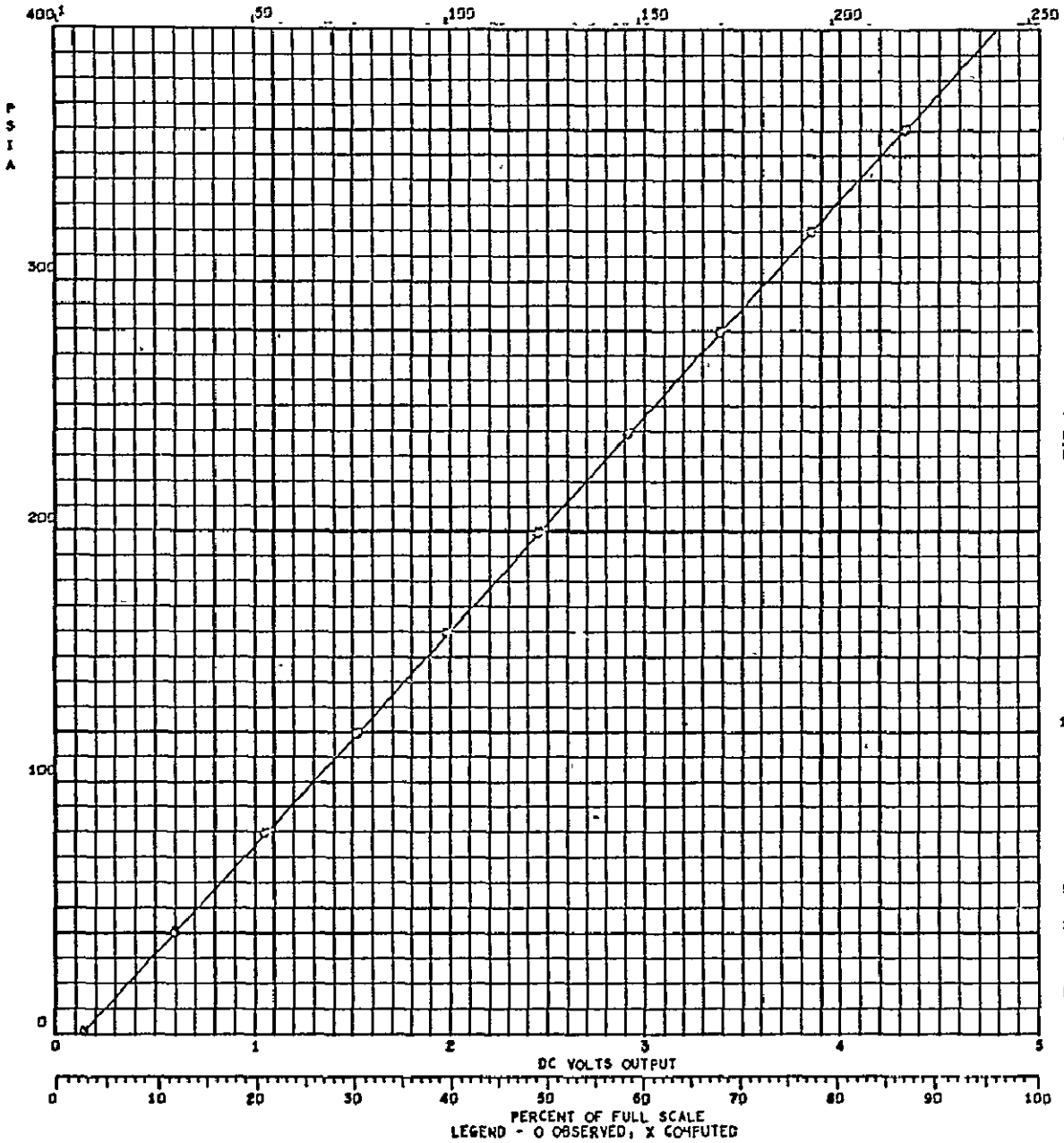
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-14.415	38	48.265	75	110.945	112	173.625	149	236.305	186	298.985	223	361.665
2	-12.720	39	49.959	76	112.639	113	175.319	150	237.999	187	300.679	224	363.359
3	-11.026	40	51.654	77	114.333	114	177.013	151	239.693	188	302.373	225	365.053
4	-9.332	41	53.348	78	116.027	115	178.707	152	241.387	189	304.067	226	366.747
5	-7.638	42	55.042	79	117.722	116	180.401	153	243.081	190	305.761	227	368.441
6	-5.944	43	56.736	80	119.416	117	182.096	154	244.775	191	307.455	228	370.135
7	-4.250	44	58.430	81	121.110	118	183.790	155	246.470	192	309.149	229	371.829
8	-2.556	45	60.124	82	122.804	119	185.484	156	248.164	193	310.844	230	373.524
9	-0.862	46	61.818	83	124.498	120	187.178	157	249.858	194	312.538	231	375.218
10	0.832	47	63.512	84	126.192	121	188.872	158	251.552	195	314.232	232	376.912
11	2.526	48	65.206	85	127.886	122	190.566	159	253.246	196	315.926	233	378.606
12	4.220	49	66.900	86	129.580	123	192.260	160	254.940	197	317.620	234	380.300
13	5.914	50	68.594	87	131.274	124	193.954	161	256.634	198	319.314	235	381.994
14	7.608	51	70.288	88	132.968	125	195.648	162	258.328	199	321.008	236	383.688
15	9.302	52	71.982	89	134.662	126	197.342	163	260.022	200	322.702	237	385.382
16	10.996	53	73.676	90	136.356	127	199.036	164	261.716	201	324.396	238	387.076
17	12.690	54	75.370	91	138.050	128	200.730	165	263.410	202	326.090	239	388.770
18	14.384	55	77.064	92	139.744	129	202.424	166	265.104	203	327.784	240	390.464
19	16.078	56	78.758	93	141.438	130	204.118	167	266.798	204	329.478	241	392.158
20	17.772	57	80.452	94	143.132	131	205.812	168	268.492	205	331.172	242	393.852
21	19.467	58	82.146	95	144.826	132	207.506	169	270.186	206	332.866	243	395.546
22	21.161	59	83.841	96	146.520	133	209.200	170	271.880	207	334.560	244	397.240
23	22.855	60	85.535	97	148.214	134	210.894	171	273.574	208	336.254	245	398.934
24	24.549	61	87.229	98	149.909	135	212.588	172	275.268	209	337.948	246	400.628
25	26.243	62	88.923	99	151.603	136	214.283	173	276.962	210	339.642	247	402.322
26	27.937	63	90.617	100	153.297	137	215.977	174	278.657	211	341.336	248	404.016
27	29.631	64	92.311	101	154.991	138	217.671	175	280.351	212	343.031	249	405.711
28	31.325	65	94.005	102	156 685	139	219.365	176	282.045	213	344.725	250	407.405
29	33.019	66	95.699	103	158.379	140	221.059	177	283.739	214	346.419	251	409.099
30	34.713	67	97.393	104	160.073	141	222.753	178	285.433	215	348.113	252	410.793
31	36.407	68	99.087	105	161.767	142	224.447	179	287.127	216	349.807	253	412.487
32	38.101	69	100.781	106	163.461	143	226.141	180	288.821	217	351.501	254	414.181
33	39.795	70	102.475	107	165.155	144	227.835	181	290.515	218	353.195		
34	41.489	71	104.169	108	166.849	145	229.529	182	292.209	219	354.889		
35	43.183	72	105 863	109	168.543	146	231.223	183	293.903	220	356.583		
36	44.877	73	107.557	110	170.237	147	232.917	184	295.597	221	358.277		
37	46.571	74	109.251	111	171.931	148	234.611	185	297.291	222	359.971		

09/27/71
1 INSTALLATION DATE MARCH 28,1969
D HE MANIFOLD PRESS
CAL RANGE 1.14780 TO 400.989

SC-113

HARDWARE CALIB. NO. 77071 01 00 00
SERIAL NO. 10095080277W

=21515



EQUATION COEFFICIENTS

A_0= -1.052 E 01

A_1= 8.580 E 01

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1 052E 01
20% = 7 528E 01
40% = 1.611E 02
50% = 2.049E 02
60% = 2.469E 02
80% = 3 327E 02
100% = 4.185E 02

MEASUREMENT NO.
200SR5830F01

MEAS LOADING NO.
1194076 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

D HE MANIFOLD PRESS

MEASUREMENT NO. 200SR5830P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1009080277M
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/28/69

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-10.521	38	82.220	75	114.961	112	177.702	149	240.444	186	303.185	223	365.926
2	-8.826	39	83.916	76	116.657	113	179.398	150	242.139	187	304.881	224	367.622
3	-7.130	40	85.611	77	118.353	114	181.094	151	243.835	188	306.576	225	369.318
4	-5.434	41	87.307	78	120.048	115	182.790	152	245.531	189	308.272	226	371.013
5	-3.739	42	89.003	79	121.744	116	184.485	153	247.226	190	309.968	227	372.709
6	-2.043	43	90.698	80	123.440	117	186.181	154	248.922	191	311.663	228	374.405
7	-0.347	44	92.394	81	125.135	118	187.877	155	250.618	192	313.359	229	376.100
8	1.349	45	94.090	82	126.831	119	189.572	156	252.314	193	315.055	230	377.796
9	3.044	46	95.786	83	128.527	120	191.268	157	254.009	194	316.751	231	379.492
10	4.740	47	97.481	84	130.223	121	192.964	158	255.705	195	318.446	232	381.188
11	6.436	48	99.177	85	131.918	122	194.659	159	257.401	196	320.142	233	382.883
12	8.131	49	100.873	86	133.614	123	196.355	160	259.096	197	321.838	234	384.579
13	9.827	50	102.568	87	135.310	124	198.051	161	260.792	198	323.533	235	386.275
14	11.523	51	104.264	88	137.005	125	199.747	162	262.488	199	325.229	236	387.970
15	13.219	52	105.960	89	138.701	126	201.442	163	264.184	200	326.925	237	389.666
16	14.914	53	107.656	90	140.397	127	203.138	164	265.879	201	328.621	238	391.362
17	16.610	54	109.351	91	142.092	128	204.834	165	267.575	202	330.316	239	393.058
18	18.306	55	111.047	92	143.788	129	206.529	166	269.271	203	332.012	240	394.753
19	20.001	56	112.743	93	145.484	130	208.225	167	270.966	204	333.708	241	396.449
20	21.697	57	114.438	94	147.180	131	209.921	168	272.662	205	335.403	242	398.145
21	23.393	58	116.134	95	148.875	132	211.617	169	274.358	206	337.099	243	399.840
22	25.089	59	117.830	96	150.571	133	213.312	170	276.054	207	338.795	244	401.536
23	26.784	60	119.525	97	152.267	134	215.008	171	277.749	208	340.491	245	403.232
24	28.480	61	121.221	98	153.962	135	216.704	172	279.445	209	342.186	246	404.928
25	30.176	62	122.917	99	155.658	136	218.399	173	281.141	210	343.882	247	406.623
26	31.871	63	124.613	100	157.354	137	220.095	174	282.836	211	345.578	248	408.319
27	33.567	64	126.308	101	159.050	138	221.791	175	284.532	212	347.273	249	410.015
28	35.263	65	128.004	102	160.745	139	223.487	176	286 228	213	348.969	250	411.710
29	36.958	66	129.700	103	162.441	140	225.182	177	287.924	214	350.665	251	413.406
30	38.654	67	131.395	104	164.137	141	226 878	178	289.619	215	352.361	252	415.102
31	40.350	68	133.091	105	165.832	142	228.574	179	291.315	216	354.056	253	416.798
32	42.046	69	134.787	106	167.528	143	230.269	180	293.011	217	355.752	254	418.493
33	43.741	70	136.483	107	169.224	144	231.965	181	294.706	218	357.448		
34	45.437	71	138.178	108	170.920	145	233.661	182	296.402	219	359.143		
35	47.133	72	139.874	109	172.615	146	235.357	183	298.098	220	360.839		
36	48.828	73	141.570	110	174.311	147	237.052	184	299.793	221	362.535		
37	50.524	74	143.265	111	176.007	148	238.748	185	301.489	222	364.230		

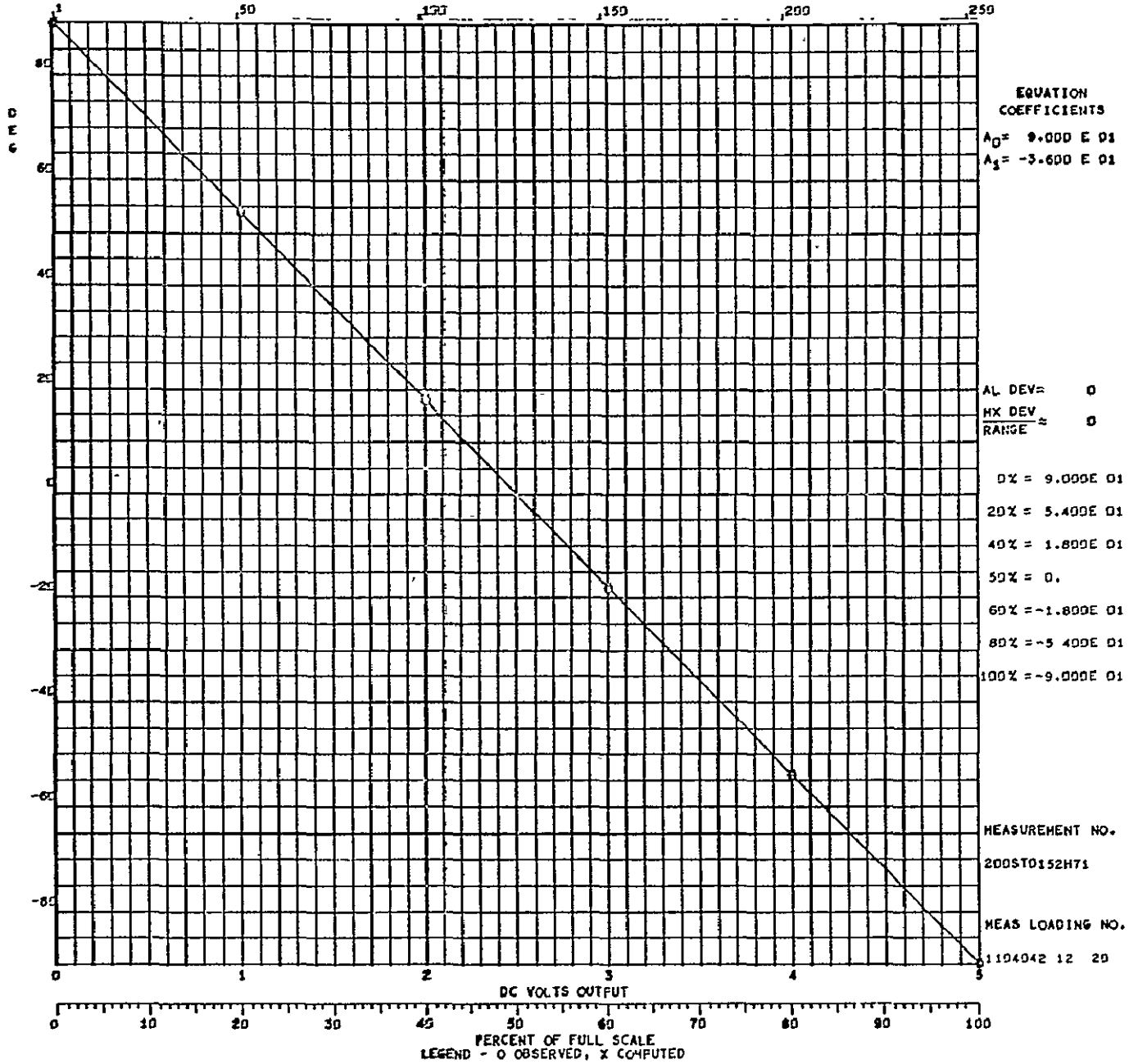
09/27/71
1 INSTALLATION DATE DEC. 21,1966
HIGH GAIN ANT POS PITCH
CAL RANGE -90.0000 TO 90.0000

SC-113

HARDWARE CALIB. NO. 20588 01 00 00

SERIAL NO. STD

x21515



EQUATION COEFFICIENTS

A_0= 9.000 E 01

A_1= -3.600 E 01

AL DEV= 0

$\frac{\text{HX DEV}}{\text{RANGE}}$ = 0

0% = 9.000E 01

20% = 5.400E 01

40% = 1.800E 01

50% = 0.

60% = -1.800E 01

80% = -5 400E 01

100% = -9.000E 01

MEASUREMENT NO.

200ST0152H71

MEAS LOADING NO.

1104042 12 20

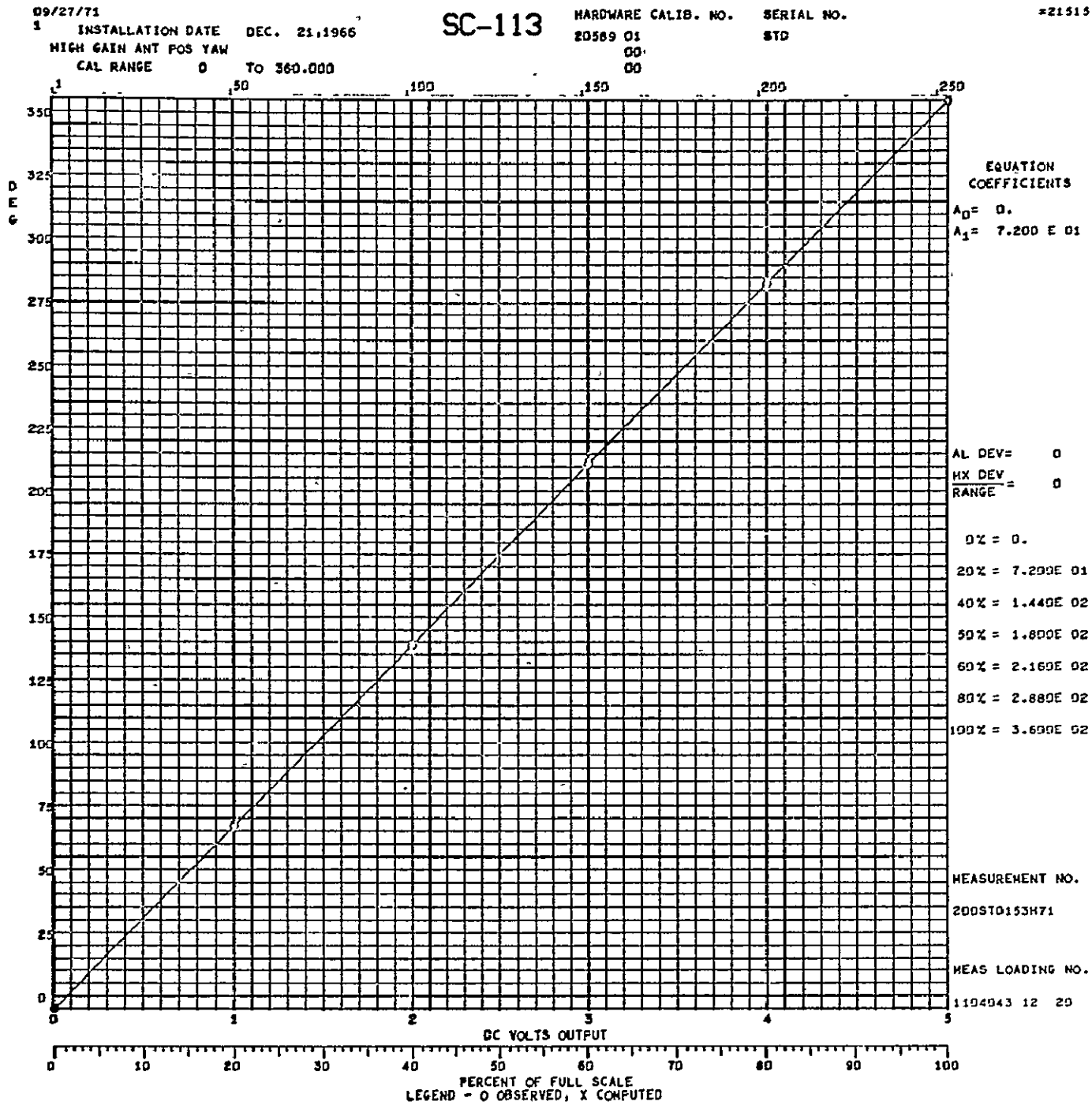
STANDARD CALIBRATION - TO BE REPLACED LATER.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

HIGH GAIN ANT POS PITCH

MEASUREMENT NO. 200ST0152H71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/21/66

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	90.000	38	63.676	75	37.352	112	11.028	149	-15.296	186	-41.621	223	-67.945
2	89 289	39	62.964	76	36.640	113	10.316	150	-16.008	187	-42.332	224	-68.656
3	88.577	40	62.253	77	35.929	114	9.605	151	-16.719	188	-43.043	225	-69.368
4	87.866	41	61.542	78	35.217	115	8.893	152	-17.431	189	-43.755	226	-70.079
5	87.154	42	60.830	79	34.506	116	8.182	153	-18.142	190	-44.466	227	-70.791
6	86.443	43	60.119	80	33.794	117	7.470	154	-18.854	191	-45.178	228	-71.502
7	85.731	44	59.407	81	33.083	118	6.759	155	-19.565	192	-45.889	229	-72.213
8	85.020	45	58 696	82	32.372	119	6.047	156	-20.277	193	-46.601	230	-72.925
9	84.308	46	57.984	83	31.660	120	5.336	157	-20.988	194	-47.312	231	-73.636
10	83.597	47	57.273	84	30.949	121	4.625	158	-21.700	195	-48.024	232	-74.348
11	82 885	48	56.561	85	30.237	122	3.913	159	-22.411	196	-48.735	233	-75.059
12	82.174	49	55.850	86	29.526	123	3.202	160	-23.123	197	-49.447	234	-75.771
13	81.462	50	55.138	87	28.814	124	2.490	161	-23.834	198	-50.158	235	-76.482
14	80 751	51	54.427	88	28.103	125	1.779	162	-24.545	199	-50.870	236	-77.194
15	80.040	52	53.715	89	27.391	126	1.067	163	-25.257	200	-51.581	237	-77.905
16	79.328	53	53.004	90	26.680	127	0.356	164	-25.968	201	-52.292	238	-78.617
17	78.617	54	52.292	91	25.968	128	-0.356	165	-26.680	202	-53.004	239	-79.328
18	77.905	55	51.581	92	25.257	129	-1.067	166	-27.391	203	-53.715	240	-80.040
19	77.194	56	50.870	93	24.545	130	-1.779	167	-28.103	204	-54.427	241	-80.751
20	76.482	57	50.158	94	23.834	131	-2.490	168	-28.814	205	-55.138	242	-81.462
21	75.771	58	49.447	95	23.123	132	-3.202	169	-29.526	206	-55.850	243	-82.174
22	75.059	59	48.735	96	22.411	133	-3.913	170	-30.237	207	-56.561	244	-82 885
23	74.348	60	48.024	97	21.700	134	-4.624	171	-30.949	208	-57.273	245	-83.597
24	73.636	61	47.312	98	20.988	135	-5.336	172	-31.660	209	-57.984	246	-84.308
25	72.925	62	46.601	99	20.277	136	-6.047	173	-32.372	210	-58.696	247	-85.020
26	72.213	63	45.889	100	19.565	137	-6.759	174	-33.083	211	-59.407	248	-85.731
27	71.502	64	45.178	101	18.854	138	-7.470	175	-33.794	212	-60.119	249	-86 443
28	70.791	65	44.466	102	18.142	139	-8.182	176	-34.506	213	-60.830	250	-87.154
29	70.079	66	43.755	103	17.431	140	-8.893	177	-35.217	214	-61.542	251	-87.866
30	69.368	67	43.043	104	16.719	141	-9.605	178	-35.929	215	-62.253	252	-88.577
31	68.656	68	42.332	105	16.008	142	-10.316	179	-36.640	216	-62.964	253	-89.289
32	67.945	69	41.621	106	15.296	143	-11.028	180	-37.352	217	-63.676	254	-90.000
33	67.233	70	40.909	107	14.585	144	-11.739	181	-38.063	218	-64.387		
34	66.522	71	40.198	108	13.874	145	-12.451	182	-38.775	219	-65.099		
35	65.810	72	39.486	109	13.162	146	-13.162	183	-39.486	220	-65.810		
36	65 099	73	38.775	110	12.451	147	-13.874	184	-40.198	221	-66.522		
37	64.387	74	38.063	111	11.739	148	-14.585	185	-40.909	222	-67.233		



STANDARD CALIBRATION - TO BE SUPPLIED LATER.

CALIBRATION-TABLE OF 8-BIT-COUNTS VS ENGINEERING UNITS

HIGH GAIN ANT POS YAW

MEASUREMENT NO. 200STD153H71
VEHICLE SC-113
TRANSDUCER SERIAL NO. STD
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/21/66

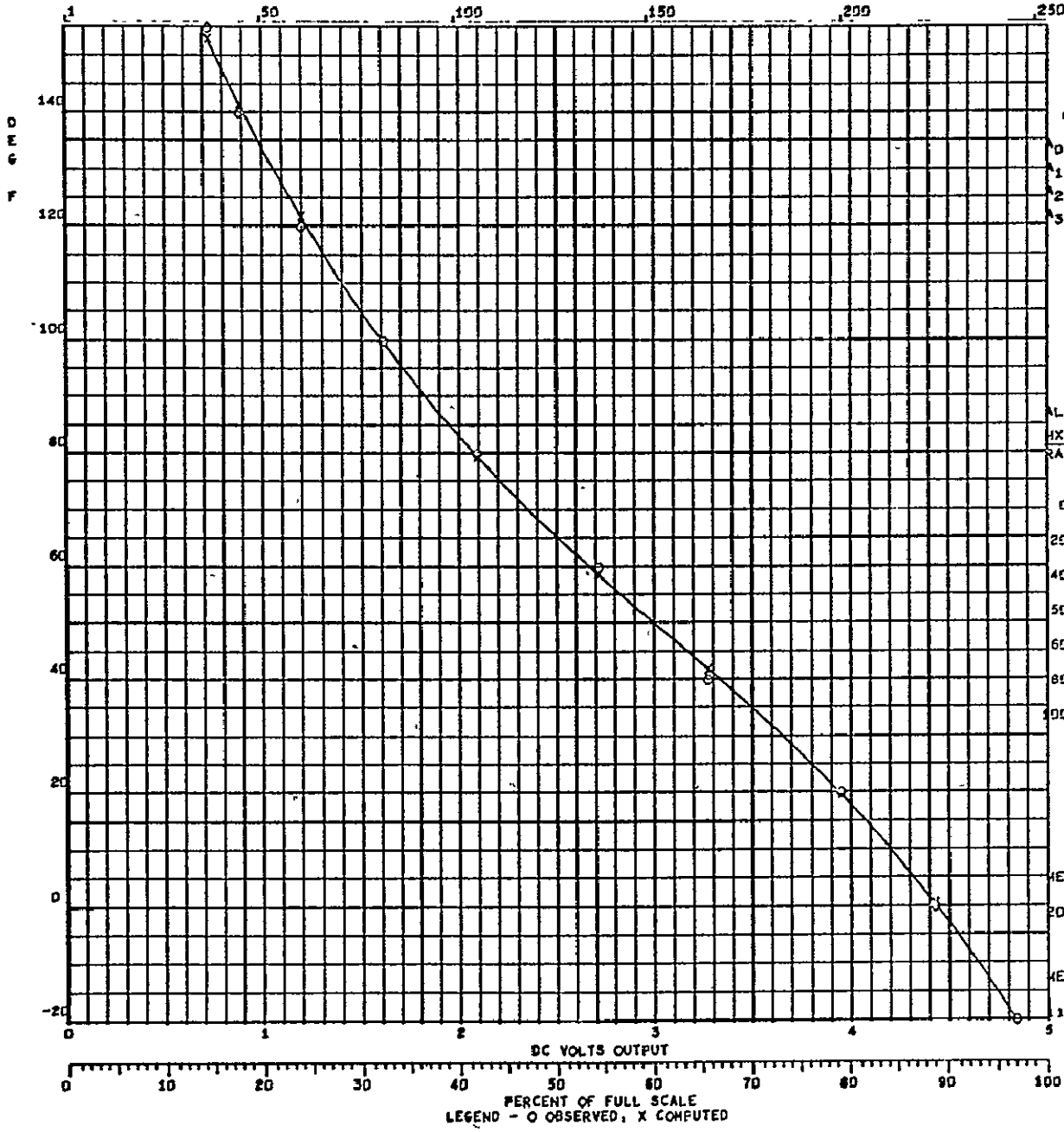
CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	0.	38	52.648	75	105.296	112	157.945	149	210.593	186	263.241	223	315.889
2	1.425	39	54.071	76	106.719	113	159.368	150	212.016	187	264.664	224	317.312
3	2.846	40	55.494	77	108.142	114	160.791	151	213.439	188	266.087	225	318.735
4	4.269	41	56.917	78	109.565	115	162.213	152	214.862	189	267.510	226	320.158
5	5.692	42	58.340	79	110.988	116	163.636	153	216.285	190	268.933	227	321.581
6	7.115	43	59.763	80	112.411	117	165.059	154	217.707	191	270.356	228	323.004
7	8.538	44	61.186	81	113.834	118	166.482	155	219.130	192	271.779	229	324.427
8	9.960	45	62.609	82	115.257	119	167.905	156	220.553	193	273.202	230	325.850
9	11.383	46	64.032	83	116.680	120	169.328	157	221.976	194	274.624	231	327.273
10	12.806	47	65.455	84	118.103	121	170.751	158	223.399	195	276.047	232	328.696
11	14.229	48	66.877	85	119.526	122	172.174	159	224.822	196	277.470	233	330.119
12	15.652	49	68.300	86	120.949	123	173.597	160	226.245	197	278.893	234	331.542
13	17.075	50	69.723	87	122.372	124	175.020	161	227.668	198	280.316	235	332.964
14	18.498	51	71.146	88	123.794	125	176.443	162	229.091	199	281.739	236	334.387
15	19.921	52	72.569	89	125.217	126	177.866	163	230.514	200	283.162	237	335.810
16	21.344	53	73.992	90	126.640	127	179.289	164	231.937	201	284.585	238	337.233
17	22.767	54	75.415	91	128.063	128	180.711	165	233.360	202	286.008	239	338.656
18	24.190	55	76.838	92	129.486	129	182.134	166	234.783	203	287.431	240	340.079
19	25.613	56	78.261	93	130.909	130	183.557	167	236.206	204	288.854	241	341.502
20	27.036	57	79.684	94	132.332	131	184.980	168	237.628	205	290.277	242	342.925
21	28.458	58	81.107	95	133.755	132	186.403	169	239.051	206	291.700	243	344.348
22	29.881	59	82.530	96	135.178	133	187.826	170	240.474	207	293.123	244	345.771
23	31.304	60	83.953	97	136.601	134	189.249	171	241.897	208	294.545	245	347.194
24	32.727	61	85.375	98	138.024	135	190.672	172	243.320	209	295.968	246	348.617
25	34.150	62	86.798	99	139.447	136	192.095	173	244.743	210	297.391	247	350.040
26	35.573	63	88.221	100	140.870	137	193.518	174	246.166	211	298.814	248	351.463
27	36.996	64	89.644	101	142.292	138	194.941	175	247.589	212	300.237	249	352.885
28	38.419	65	91.067	102	143.715	139	196.364	176	249.012	213	301.660	250	354.308
29	39.842	66	92.490	103	145.138	140	197.787	177	250.435	214	303.083	251	355.731
30	41.265	67	93.913	104	146.561	141	199.209	178	251.858	215	304.506	252	357.154
31	42.688	68	95.336	105	147.984	142	200.632	179	253.281	216	305.929	253	358.577
32	44.111	69	96.759	106	149.407	143	202.055	180	254.704	217	307.352	254	360.000
33	45.534	70	98.182	107	150.830	144	203.478	181	256.126	218	308.775		
34	46.957	71	99.605	108	152.253	145	204.901	182	257.549	219	310.198		
35	48.379	72	101.028	109	153.676	146	206.324	183	258.972	220	311.621		
36	49.802	73	102 451	110	155.099	147	207.747	184	260.395	221	313.043		
37	51.225	74	103.874	111	156.522	148	209.170	185	261.818	222	314.466		

09/27/71 SC-113 HARDWARE CALIB. NO. SERIAL NO. #21515

S INSTALLATION DATE MAY 14,1961 79103 01 103252332012

TLM 2 MASTER UNIT TEMP 00

V CAL RANGE -20.0000 TO 155.000 00



EQUATION COEFFICIENTS

A_0= 2.181 E 02

A_1= -1.072 E 02

A_2= 2.527 E 01

A_3= -2.747 E 00

AL DEV= 0

MX DEV / RANGE = 0

0% = 2.181E 02

20% = 1.334E 02

40% = 8.281E 01

50% = 6.511E 01

60% = 4.975E 01

80% = 1.780E 01

100% = -2.953E 01

MEASUREMENT NO.

200ST0562T01

MEAS LOADING NO.

105091 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TLM 2 MASTER UNIT TEMP

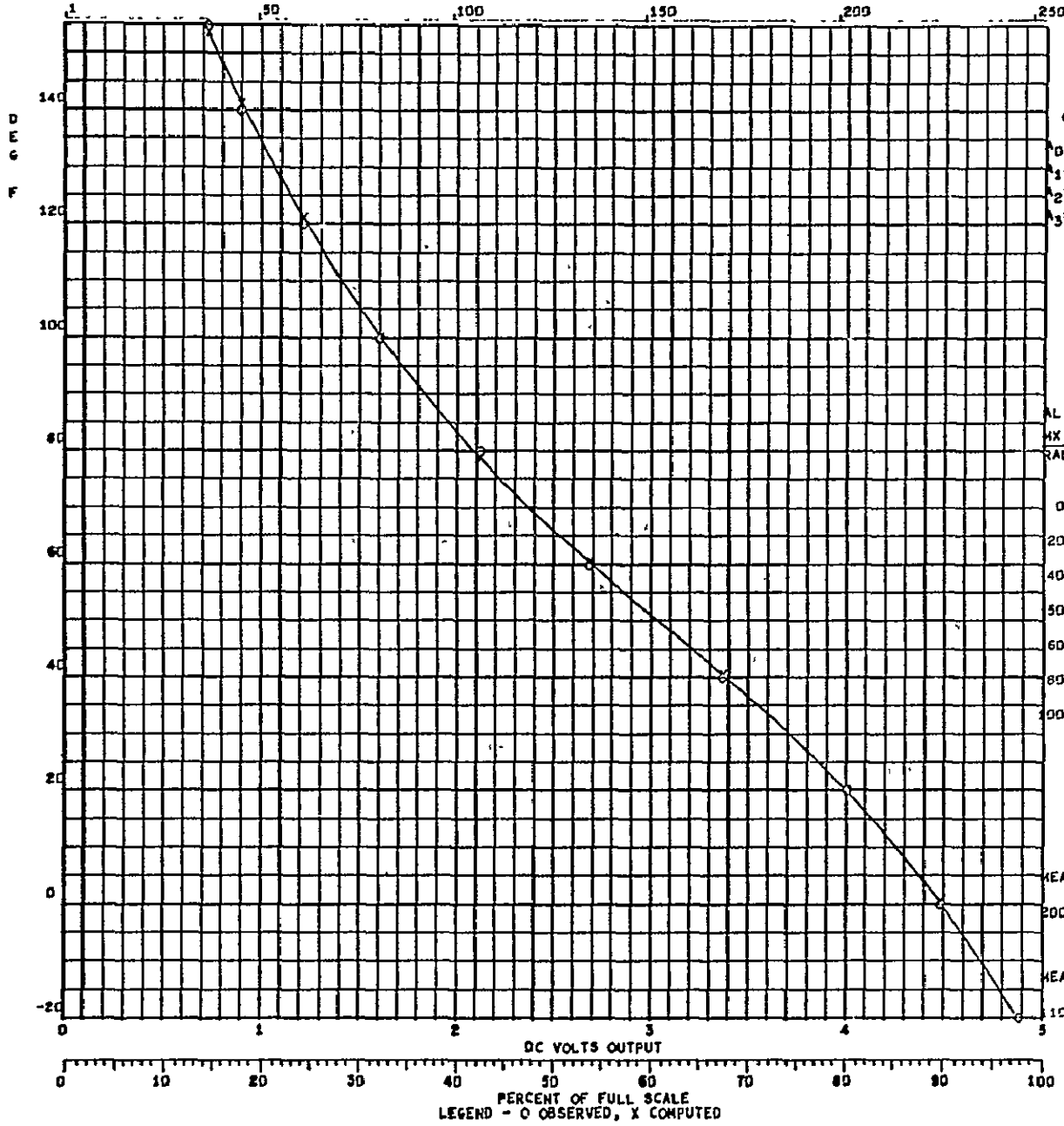
MEASUREMENT NO. 200ST0562T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103252332012
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/14/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	218.143	38	152.177	75	106.792	112	75.545	149	51.992	186	29.690	223	2.196
2	216.034	39	150.709	76	105.791	113	74.836	150	51.402	187	29.045	224	1.320
3	213.944	40	149.255	77	104.800	114	74.133	151	50.813	188	28.395	225	0.436
4	211.874	41	147.817	78	103.818	115	73.435	152	50.224	189	27.741	226	-0.457
5	209.823	42	146.393	79	102.847	116	72.743	153	49.636	190	27.083	227	-1.359
6	207.792	43	144.984	80	101.886	117	72.055	154	49.048	191	26.421	228	-2.270
7	205.780	44	143.589	81	100.934	118	71.373	155	48.460	192	25.754	229	-3.190
8	203.786	45	142.208	82	99.992	119	70.695	156	47.873	193	25.083	230	-4.119
9	201.812	46	140.841	83	99.059	120	70.022	157	47.286	194	24.407	231	-5.058
10	199.856	47	139.489	84	98.136	121	69.354	158	46.698	195	23.726	232	-6.006
11	197.918	48	138.150	85	97.222	122	68.690	159	46.111	196	23.041	233	-6.964
12	196.000	49	136.825	86	96.317	123	68.030	160	45.522	197	22.350	234	-7.931
13	194.099	50	135.514	87	95.421	124	67.375	161	44.934	198	21.654	235	-8.909
14	192.217	51	134.216	88	94.533	125	66.724	162	44.345	199	20.953	236	-9.896
15	190.353	52	132.932	89	93.654	126	66.077	163	43.755	200	20.246	237	-10.894
16	188.507	53	131.661	90	92.784	127	65.433	164	43.164	201	19.534	238	-11.902
17	186.678	54	130.403	91	91.922	128	64.793	165	42.572	202	18.816	239	-12.920
18	184.868	55	129.158	92	91.069	129	64.157	166	41.979	203	18.092	240	-13.949
19	183.075	56	127.926	93	90.224	130	63.525	167	41.385	204	17.362	241	-14.989
20	181.299	57	126.706	94	89.386	131	62.895	168	40.790	205	16.626	242	-16.039
21	179.541	58	125.500	95	88.557	132	62.269	169	40.193	206	15.884	243	-17.100
22	177.800	59	124.305	96	87.736	133	61.646	170	39.594	207	15.136	244	-18.173
23	176.076	60	123.124	97	86.922	134	61.026	171	38.994	208	14.381	245	-19.256
24	174.368	61	121.954	98	86.115	135	60.409	172	38.392	209	13.619	246	-20.351
25	172.678	62	120.796	99	85.316	136	59.794	173	37.787	210	12.851	247	-21.457
26	171.005	63	119 651	100	84.525	137	59.182	174	37.181	211	12.076	248	-22.575
27	169.348	64	118.517	101	83.740	138	58.573	175	36.572	212	11.294	249	-23.704
28	167.707	65	117.395	102	82.962	139	57.966	176	35.961	213	10.505	250	-24.845
29	166.083	66	116.285	103	82.192	140	57.361	177	35.347	214	9.709	251	-25.999
30	164.475	67	115.186	104	81.428	141	56.758	178	34.731	215	8.905	252	-27.164
31	162.883	68	114.098	105	80.671	142	56.156	179	34.112	216	8.094	253	-28.341
32	161.306	69	113.022	106	79.920	143	55.557	180	33.490	217	7.275	254	-29.531
33	159.746	70	111.957	107	79.176	144	54.960	181	32.865	218	6.449		
34	158.201	71	110.902	108	78.437	145	54.364	182	32.237	219	5.614		
35	156.672	72	109.859	109	77.705	146	53.769	183	31.606	220	4.772		
36	155.159	73	108.826	110	76.980	147	53.176	184	30.971	221	3.922		
37	153.660	74	107.804	111	76.259	148	52.585	185	30.332	222	3.063		

09/27/71
3 INSTALLATION DATE MAY 14,1961
TLM 2 SLAVE UNIT TEMP
CAL RANGE -20.0000 TO 155.000

SC-113

HARDWARE CALIB. NO. 82170 01 00 00
SERIAL NO. 103252332005
#21515



EQUATION COEFFICIENTS

A_0= 2.207 E 02
A_1= -1.107 E 02
A_2= 2.679 E 01
A_3= -2.914 E 00

AL DEV= 0
HX DEV / RANGE = 0

0 % = 2.207E 02
20 % = 1.339E 02
40 % = 8.314E 01
50 % = 6.584E 01
60 % = 5.101E 01
80 % = 2.002E 01
100 % = -2.733E 01

MEASUREMENT NO.
200STD563T01

MEAS LOADING NO.
105092 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TLM 2 SLAVE UNIT TEMP

MEASUREMENT NO. 200ST0563T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1032523320O5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/14/61

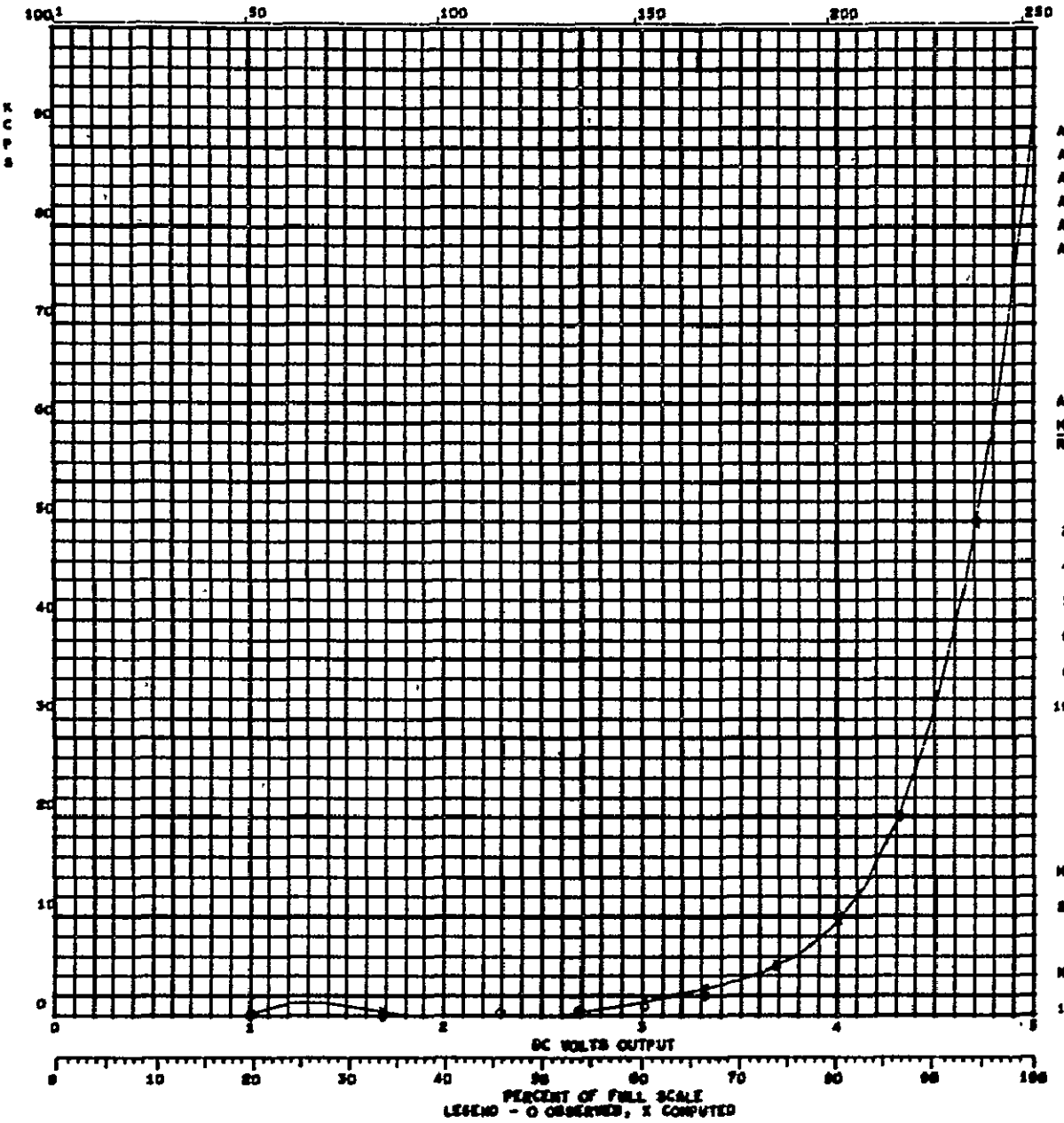
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	220.724	36	152.949	75	106.988	112	76.006	149	53.167	186	31.636	223	4.577
2	218.547	39	151.451	76	105.985	113	75.312	150	52.599	187	31.008	224	3.705
3	216.390	40	149.968	77	104.992	114	74.625	151	52.031	188	30.376	225	2.823
4	214.254	41	148.502	78	104.010	115	73.943	152	51.464	189	29.740	226	1.933
5	212.138	42	147.050	79	103.038	116	73.266	153	50.898	190	29.099	227	1.033
6	210.043	43	145.615	80	102.077	117	72.595	154	50.332	191	28.453	228	0.123
7	207.968	44	144.194	81	101.126	118	71.929	155	49.767	192	27.803	229	-0.796
8	205.913	45	142.789	82	100.186	119	71.269	156	49.201	193	27.148	230	-1.726
9	203.878	46	141.398	83	99.255	120	70.613	157	48.636	194	26.488	231	-2.665
10	201.862	47	140.022	84	98.334	121	69.962	158	48.070	195	25.823	232	-3.614
11	199.867	48	138.662	85	97.423	122	69.316	159	47.504	196	25.153	233	-4.573
12	197.891	49	137.315	86	96.521	123	68.674	160	46.938	197	24.477	234	-5.543
13	195.935	50	135.983	87	95.629	124	68.037	161	46.371	198	23.796	235	-6.524
14	193.998	51	134.666	88	94.747	125	67.404	162	45.804	199	23.109	236	-7.515
15	192.080	52	133.362	89	93.873	126	66.776	163	45.236	200	22.417	237	-8.517
16	190.181	53	132.073	90	93.008	127	66.151	164	44.667	201	21.718	238	-9.529
17	188.301	54	130.798	91	92.153	128	65.531	165	44.096	202	21.013	239	-10.553
18	186.440	55	129.536	92	91.306	129	64.914	166	43.525	203	20.303	240	-11.588
19	184.597	56	128.288	93	90.468	130	64.301	167	42.952	204	19.585	241	-12.634
20	182.773	57	127.054	94	89.638	131	63.692	168	42.378	205	18.862	242	-13.692
21	180.967	58	125.832	95	88.817	132	63.085	169	41.802	206	18.132	243	-14.762
22	179.180	59	124.625	96	88.004	133	62.482	170	41.224	207	17.395	244	-15.843
23	177.410	60	123.430	97	87.199	134	61.883	171	40.645	208	16.651	245	-16.936
24	175.659	61	122.248	98	86.402	135	61.286	172	40.064	209	15.900	246	-18.041
25	173.925	62	121.079	99	85.613	136	60.692	173	39.480	210	15.142	247	-19.158
26	172.210	63	119.923	100	84.831	137	60.100	174	38.894	211	14.377	248	-20.287
27	170.511	64	118.779	101	84.058	138	59.512	175	38.306	212	13.604	249	-21.429
28	168.830	65	117.648	102	83.291	139	58.925	176	37.715	213	12.824	250	-22.583
29	167.167	66	116.529	103	82.532	140	58.341	177	37.121	214	12.036	251	-23.750
30	165.520	67	115.422	104	81.780	141	57.760	178	36.525	215	11.240	252	-24.930
31	163.891	68	114.327	105	81.035	142	57.180	179	35.925	216	10.436	253	-26.123
32	162.278	69	113.244	106	80.297	143	56.602	180	35.323	217	9.625	254	-27.329
33	160.682	70	112.173	107	79.566	144	56.026	181	34.717	218	8.805		
34	159.103	71	111.115	108	78.841	145	55.451	182	34.108	219	7.976		
35	157.540	72	110.065	109	78.123	146	54.878	183	33.496	220	7.140		
36	155.994	73	109.028	110	77.411	147	54.307	184	32.880	221	6.294		
37	154.463	74	108.003	111	76.706	148	53.736	185	32.260	222	5.440		

12/08/71
8 INSTALLATION DATE SEPT. 10,1961
PROTON COUNT RATE CHANNEL 1
CAL RANGE .010000 TO 100.000

SC-113

MANMADE CALIB. NO. 73754 01 02 03
SERIAL NO. 8068080237817

=11148



EQUATION COEFFICIENTS

A_0= -7.722 E 01
A_1= 1.898 E 02
A_2= -1.721 E 02
A_3= 7.317 E 01
A_4= -1.482 E 01
A_5= 1.163 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -7.722E 01
20% = 1.834E-03
40% = -4.997E-01
50% = -2.471E-01
60% = 1.385E 00
80% = 9.549E 00
100% = 9.144E 01

MEASUREMENT NO.
20087082OK01

MEAS LOADING NO.
1101039 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PROTON COUNT RATE CHANNEL 1

MEASUREMENT NO. 2005T0620K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0660982370I7
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/61

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	-77.217	38	-5.835	75	1.149	112	-0.651	149	1.107	186	4.716	223	23.636
2	-73.533	39	-5.185	76	1.091	113	-0.647	150	1.180	187	4.891	224	24.783
3	-69.980	40	-4.575	77	1.029	114	-0.640	151	1.253	188	5.074	225	25.939
4	-66.554	41	-4.005	78	0.964	115	-0.630	152	1.326	189	5.266	226	27.167
5	-63.254	42	-3.473	79	0.896	116	-0.616	153	1.400	190	5.471	227	28.449
6	-60.074	43	-2.977	80	0.829	117	-0.600	154	1.474	191	5.686	228	29.787
7	-57.013	44	-2.515	81	0.759	118	-0.580	155	1.549	192	5.912	229	31.184
8	-54.066	45	-2.087	82	0.688	119	-0.557	156	1.624	193	6.150	230	32.641
9	-51.232	46	-1.691	83	0.616	120	-0.530	157	1.699	194	6.401	231	34.159
10	-48.507	47	-1.325	84	0.544	121	-0.501	158	1.775	195	6.666	232	35.742
11	-45.888	48	-0.989	85	0.472	122	-0.469	159	1.852	196	6.946	233	37.391
12	-43.372	49	-0.680	86	0.400	123	-0.435	160	1.929	197	7.241	234	39.108
13	-40.956	50	-0.398	87	0.329	124	-0.397	161	2.007	198	7.552	235	40.896
14	-38.638	51	-0.141	88	0.259	125	-0.357	162	2.085	199	7.880	236	42.756
15	-36.414	52	0.092	89	0.191	126	-0.315	163	2.165	200	8.226	237	44.691
16	-34.283	53	0.302	90	0.124	127	-0.270	164	2.245	201	8.591	238	46.703
17	-32.241	54	0.491	91	0.058	128	-0.223	165	2.327	202	8.978	239	48.794
18	-30.287	55	0.659	92	-0.005	129	-0.174	166	2.410	203	9.381	240	50.968
19	-28 416	56	0.807	93	-0.066	130	-0.123	167	2.494	204	9.808	241	53.226
20	-26.627	57	0.937	94	-0.125	131	-0.070	168	2.580	205	10 258	242	55.570
21	-24.918	58	1.049	95	-0.181	132	-0.015	169	2.666	206	10.732	243	58.004
22	-23.285	59	1.145	96	-0.235	133	0.042	170	2.758	207	11.231	244	60.530
23	-21.727	60	1.226	97	-0.286	134	0.100	171	2.851	208	11.756	245	63.150
24	-20.242	61	1.292	98	-0.334	135	0.160	172	2.945	209	12.308	246	65.868
25	-18.826	62	1.344	99	-0.378	136	0.221	173	3.043	210	12.889	247	68.685
26	-17.478	63	1.384	100	-0.420	137	0.284	174	3.143	211	13.499	248	71.605
27	-16.196	64	1.412	101	-0.458	138	0.348	175	3.247	212	14.141	249	74.630
28	-14.977	65	1.429	102	-0.493	139	0.413	176	3.355	213	14.814	250	77.764
29	-13.819	66	1.435	103	-0.525	140	0.479	177	3.467	214	15.522	251	81.009
30	-12.721	67	1.432	104	-0.553	141	0.546	178	3.583	215	16.264	252	84.368
31	-11.680	68	1.421	105	-0.577	142	0.614	179	3.703	216	17.043	253	87.844
32	-10.694	69	1.401	106	-0.599	143	0.682	180	3.829	217	17.859	254	91.441
33	-9.762	70	1.374	107	-0.616	144	0.752	181	3.961	218	18.715		
34	-8.881	71	1.340	108	-0.630	145	0.822	182	4.098	219	19.612		
35	-8.050	72	1.300	109	-0.641	146	0.892	183	4.242	220	20.551		
36	-7.266	73	1.254	110	-0.648	147	0.964	184	4.392	221	21.534		
37	-6.529	74	1.204	111	-0.651	148	1.035	185	4.550	222	22.562		

12/06/71

4 INSTALLATION DATE SEPT. 10,1961

PROTON COUNT RATE CHANNEL 2

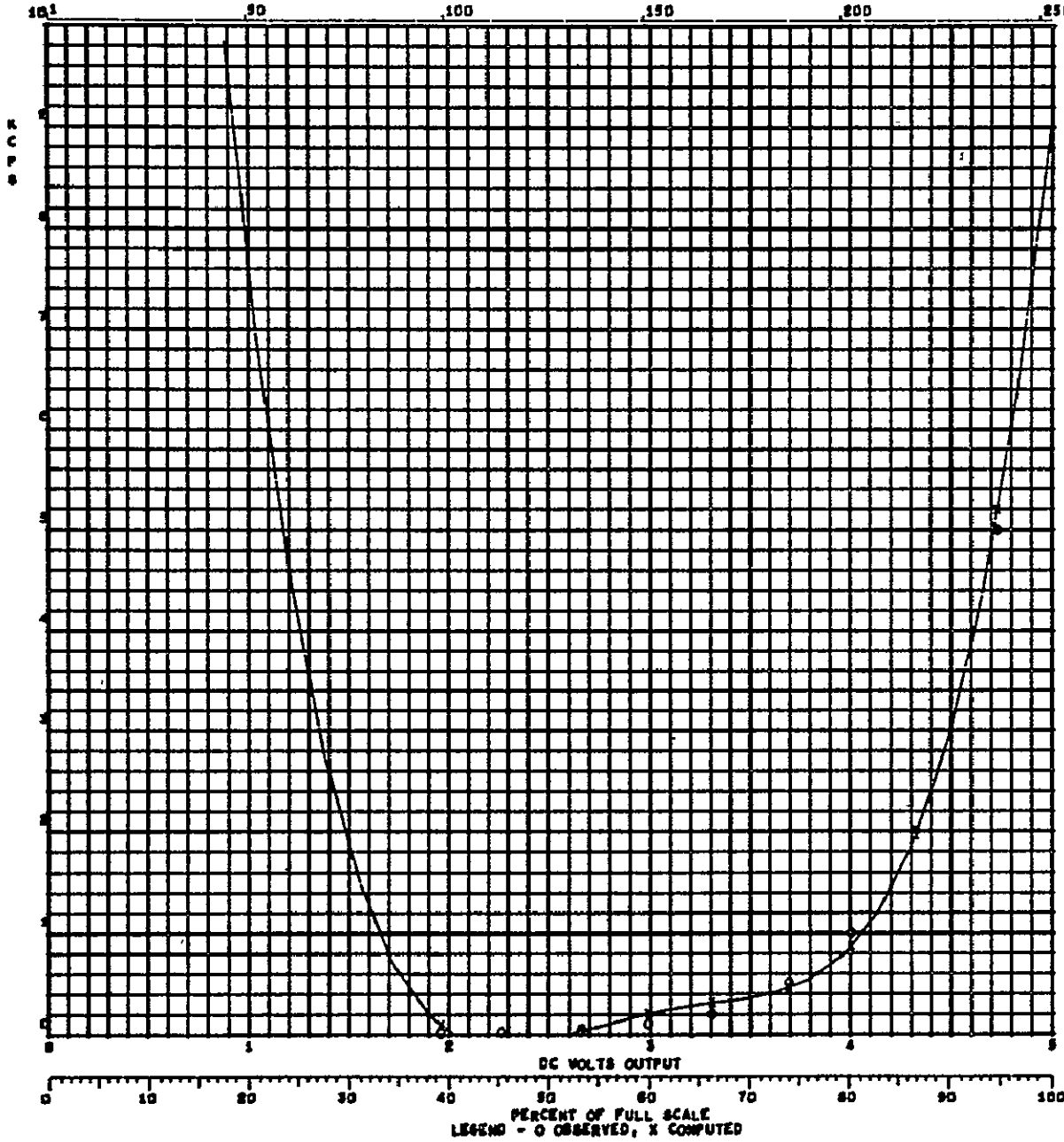
CAL RANGE .810000 TO 10.0000

SC-113

HARDWARE CALIB. NO. 79785 01 00 00

SERIAL NO. 0060908E37017

#11145



EQUATION COEFFICIENTS

A_0= 4.443 E 01

A_1= -8.238 E 01

A_2= 3.212 E 01

A_3= -7.213 E 00

A_4= 6.005 E-01

AL DEV= 0

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50% = -5.661E-02

60% = 2.082E-01

80% = 8.305E-01

100% = 9.115E 00

MEASUREMENT NO.

ZDOSTOSE1K01

MEAS LOADING NO.

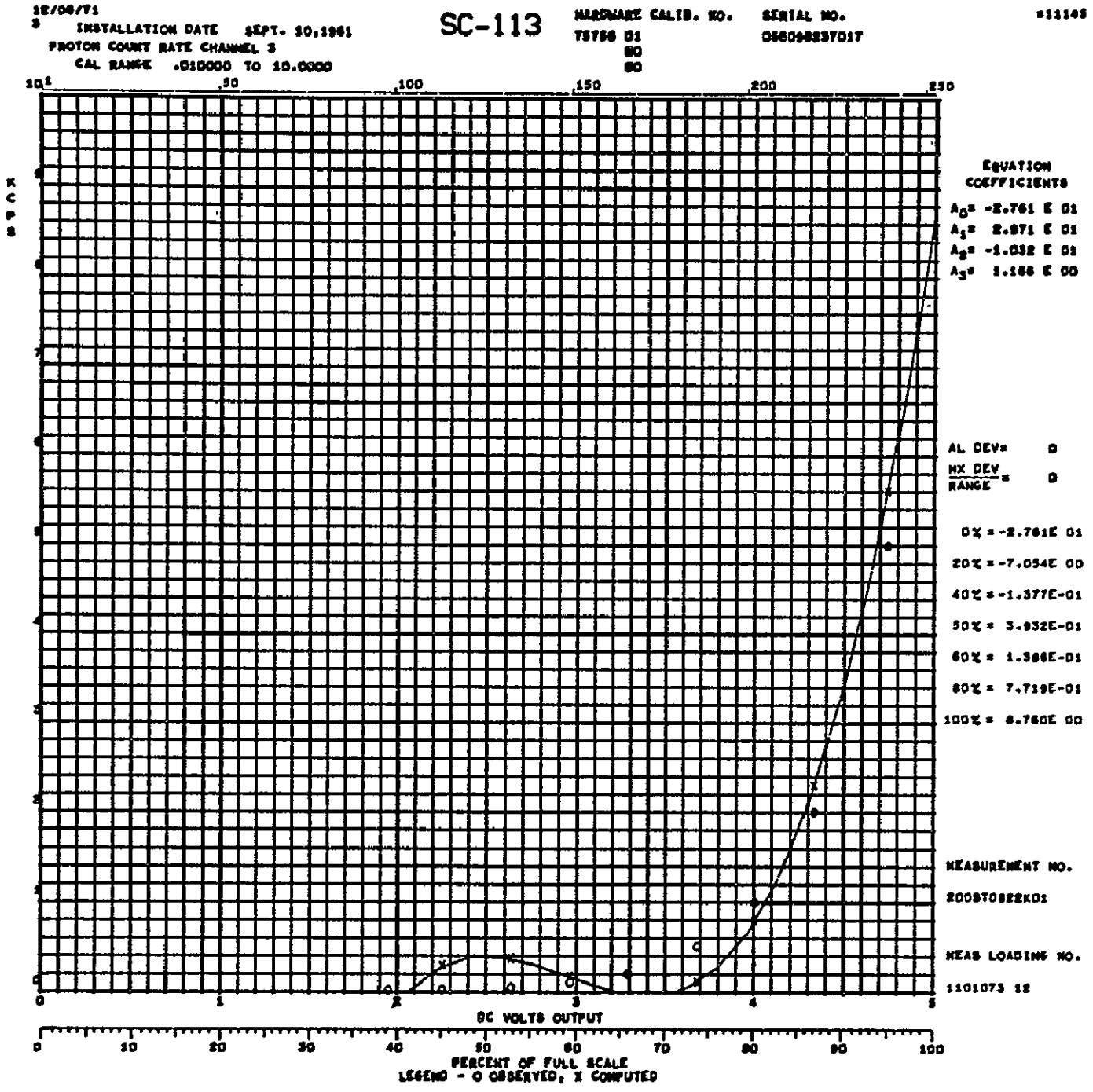
1101060 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PROTON COUNT RATE CHANNEL 2

MEASUREMENT NO. 2006T0821K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06605237017
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/61

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	44.429	36	13.332	75	2.064	112	-0.115	149	0.175	186	0.433	223	2.262
2	43.209	39	12.824	76	1.925	113	-0.119	150	0.184	187	0.446	224	2.399
3	42.013	40	12.331	77	1.791	114	-0.122	151	0.193	188	0.459	225	2.520
4	40.842	41	11.850	78	1.664	115	-0.125	152	0.201	189	0.473	226	2.646
5	39.684	42	11.384	79	1.543	116	-0.124	153	0.210	190	0.489	227	2.780
6	38.571	43	10.931	80	1.427	117	-0.122	154	0.218	191	0.506	228	2.919
7	37.471	44	10.490	81	1.317	118	-0.120	155	0.226	192	0.524	229	3.063
8	36.394	45	10.063	82	1.213	119	-0.117	156	0.233	193	0.543	230	3.214
9	35.340	46	9.648	83	1.113	120	-0.113	157	0.241	194	0.564	231	3.370
10	34.308	47	9.245	84	1.019	121	-0.108	158	0.248	195	0.587	232	3.533
11	33.299	48	8.854	85	0.930	122	-0.102	159	0.254	196	0.611	233	3.703
12	32.311	49	8.475	86	0.845	123	-0.095	160	0.261	197	0.637	234	3.879
13	31.345	50	8.108	87	0.765	124	-0.087	161	0.267	198	0.665	235	4.063
14	30.400	51	7.752	88	0.690	125	-0.079	162	0.273	199	0.694	236	4.253
15	29.476	52	7.407	89	0.619	126	-0.071	163	0.279	200	0.726	237	4.451
16	28.573	53	7.073	90	0.552	127	-0.061	164	0.284	201	0.760	238	4.656
17	27.690	54	6.750	91	0.489	128	-0.052	165	0.290	202	0.796	239	4.869
18	26.827	55	6.437	92	0.430	129	-0.042	166	0.295	203	0.834	240	5.090
19	25.984	56	6.135	93	0.375	130	-0.031	167	0.300	204	0.875	241	5.319
20	25.160	57	5.842	94	0.323	131	-0.021	168	0.306	205	0.919	242	5.556
21	24.356	58	5.560	95	0.276	132	-0.010	169	0.311	206	0.965	243	5.801
22	23.570	59	5.287	96	0.231	133	0.001	170	0.316	207	1.014	244	6.055
23	22.803	60	5.025	97	0.190	134	0.012	171	0.321	208	1.066	245	6.318
24	22.054	61	4.769	98	0.152	135	0.024	172	0.326	209	1.121	246	6.590
25	21.323	62	4.523	99	0.117	136	0.035	173	0.332	210	1.179	247	6.871
26	20.610	63	4.287	100	0.084	137	0.047	174	0.337	211	1.240	248	7.162
27	19.914	64	4.059	101	0.055	138	0.058	175	0.343	212	1.305	249	7.462
28	19.235	65	3.839	102	0.028	139	0.069	176	0.349	213	1.374	250	7.772
29	18.573	66	3.628	103	0.004	140	0.081	177	0.355	214	1.446	251	8.092
30	17.928	67	3.424	104	-0.017	141	0.092	178	0.361	215	1.522	252	8.422
31	17.299	68	3.229	105	-0.037	142	0.103	179	0.368	216	1.601	253	8.763
32	16.687	69	3.041	106	-0.054	143	0.114	180	0.376	217	1.685	254	9.115
33	16.090	70	2.861	107	-0.069	144	0.124	181	0.384	218	1.773		
34	15.508	71	2.688	108	-0.082	145	0.135	182	0.392	219	1.866		
35	14.942	72	2.521	109	-0.093	146	0.145	183	0.401	220	1.963		
36	14.391	73	2.362	110	-0.102	147	0.155	184	0.411	221	2.064		
37	13.854	74	2.210	111	-0.109	148	0.165	185	0.422	222	2.171		


12/06/71
3 INSTALLATION DATE SEPT. 10,1961
PROTON COUNT RATE CHANNEL 3
CAL RANGE .010000 TO 10.0000
SC-113
HARDWARE CALIB. NO.
75756 01
80
80
SERIAL NO.
0560988237017
#11148
KCPS
EQUATION COEFFICIENTS
A_0= -2.761 E 01
A_1= 2.971 E 01
A_2= -1.032 E 01
A_3= 1.166 E 00
AL DEV= 0
NX DEV / RANGE = 0
0% = -2.761E 01
20% = -7.054E 00
40% = -1.377E-01
50% = 3.932E-01
60% = 1.386E-01
80% = 7.719E-01
100% = 8.760E 00
MEASUREMENT NO.
2008708EEK01
MEAS LOADING NO.
1101073 12
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PROTON COUNT RATE CHANNEL 3

MEASUREMENT NO. EDGSTD822K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. D660962370I7
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/61

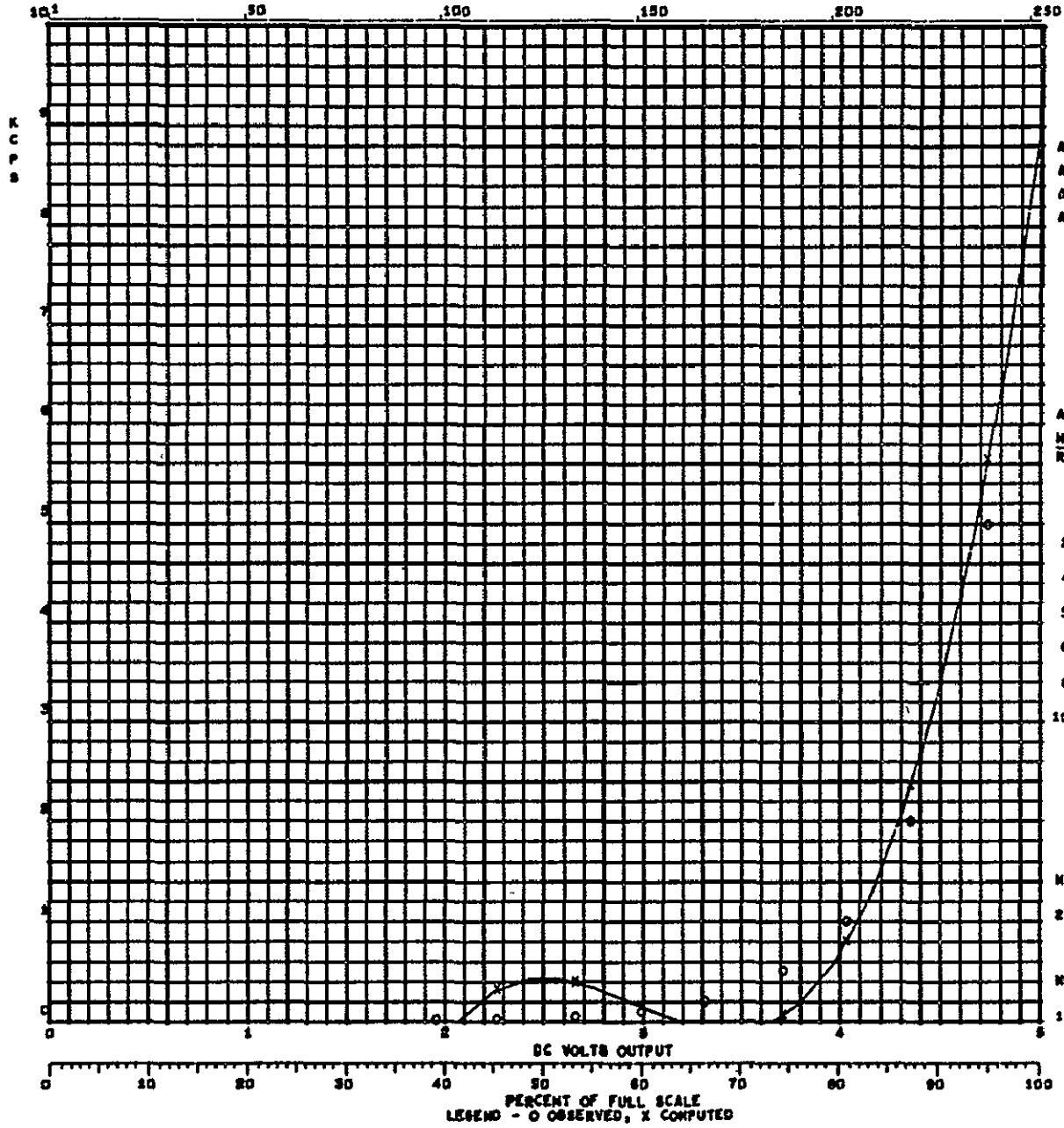
CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	-27.809	38	-10.948	75	-2.585	112	0.217	149	0.193	186	0.078	223	2.609
2	-27.086	39	-10.625	76	-2.448	113	0.241	150	0.178	187	0.099	224	2.740
3	-26.451	40	-10.308	77	-2.316	114	0.265	151	0.164	188	0.123	225	2.875
4	-25.884	41	-9.997	78	-2.187	115	0.284	152	0.150	189	0.148	226	3.014
5	-25.324	42	-9.692	79	-2.062	116	0.302	153	0.136	190	0.175	227	3.157
6	-24.773	43	-9.393	80	-1.942	117	0.318	154	0.122	191	0.205	228	3.304
7	-24.230	44	-9.100	81	-1.824	118	0.333	155	0.108	192	0.237	229	3.455
8	-23.694	45	-8.812	82	-1.711	119	0.346	156	0.095	193	0.271	230	3.610
9	-23.166	46	-8.531	83	-1.602	120	0.357	157	0.081	194	0.307	231	3.770
10	-22.645	47	-8.254	84	-1.496	121	0.367	158	0.069	195	0.346	232	3.934
11	-22.132	48	-7.984	85	-1.393	122	0.375	159	0.056	196	0.387	233	4.103
12	-21.627	49	-7.718	86	-1.294	123	0.381	160	0.044	197	0.431	234	4.278
13	-21.129	50	-7.459	87	-1.199	124	0.386	161	0.033	198	0.477	235	4.454
14	-20.638	51	-7.204	88	-1.107	125	0.390	162	0.022	199	0.528	236	4.636
15	-20.155	52	-6.955	89	-1.018	126	0.392	163	0.012	200	0.577	237	4.823
16	-19.679	53	-6.712	90	-0.933	127	0.393	164	0.003	201	0.631	238	5.014
17	-19.210	54	-6.475	91	-0.851	128	0.393	165	-0.006	202	0.688	239	5.210
18	-18.749	55	-6.240	92	-0.772	129	0.391	166	-0.014	203	0.747	240	5.411
19	-18.295	56	-6.012	93	-0.696	130	0.389	167	-0.021	204	0.810	241	5.617
20	-17.847	57	-5.789	94	-0.624	131	0.385	168	-0.027	205	0.875	242	5.828
21	-17.407	58	-5.571	95	-0.554	132	0.380	169	-0.033	206	0.943	243	6.044
22	-16.974	59	-5.358	96	-0.487	133	0.374	170	-0.037	207	1.015	244	6.265
23	-16.548	60	-5.150	97	-0.424	134	0.368	171	-0.040	208	1.089	245	6.490
24	-16.128	61	-4.947	98	-0.363	135	0.360	172	-0.042	209	1.167	246	6.721
25	-15.716	62	-4.749	99	-0.305	136	0.352	173	-0.043	210	1.247	247	6.957
26	-15.310	63	-4.555	100	-0.250	137	0.343	174	-0.042	211	1.331	248	7.199
27	-14.911	64	-4.366	101	-0.197	138	0.333	175	-0.041	212	1.418	249	7.445
28	-14.518	65	-4.182	102	-0.147	139	0.322	176	-0.038	213	1.509	250	7.697
29	-14.133	66	-4.003	103	-0.100	140	0.311	177	-0.035	214	1.603	251	7.955
30	-13.753	67	-3.828	104	-0.055	141	0.299	178	-0.027	215	1.700	252	8.217
31	-13.380	68	-3.657	105	-0.013	142	0.287	179	-0.020	216	1.801	253	8.486
32	-13.014	69	-3.491	106	0.027	143	0.275	180	-0.011	217	1.905	254	8.760
33	-12.654	70	-3.329	107	0.064	144	0.262	181	-0.001	218	2.013		
34	-12.300	71	-3.172	108	0.099	145	0.248	182	0.012	219	2.125		
35	-11.953	72	-3.019	109	0.132	146	0.235	183	0.026	220	2.240		
36	-11.612	73	-2.870	110	0.162	147	0.221	184	0.041	221	2.360		
37	-11.277	74	-2.725	111	0.191	148	0.207	185	0.059	222	2.483		

12/06/71
S INSTALLATION DATE SEPT. 10,1961
PROTON COUNT RATE CHANNEL 4
CAL RANGE .010000 TO 10.0000

SC-113

HARDWARE CALIB. NO. 75757 01 03 00
SERIAL NO. 0860658257017

#11145



EQUATION COEFFICIENTS

A_0= -3.015 E 01
A_1= 8.232 E 01
A_2= -1.117 E 01
A_3= 1.255 E 00

AL DEV= 0
NX DEV / RANGE = 0

0% = -3.015E 01
20% = -7.747E 00
40% = -1.592E-01
50% = 4.320E-01
60% = 1.426E-01
80% = 8.660E-01
100% = 8.998E 00

MEASUREMENT NO.
2008T0823K01

MEAS LOADING NO.
1101074 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PROTON COUNT RATE CHANNEL 4

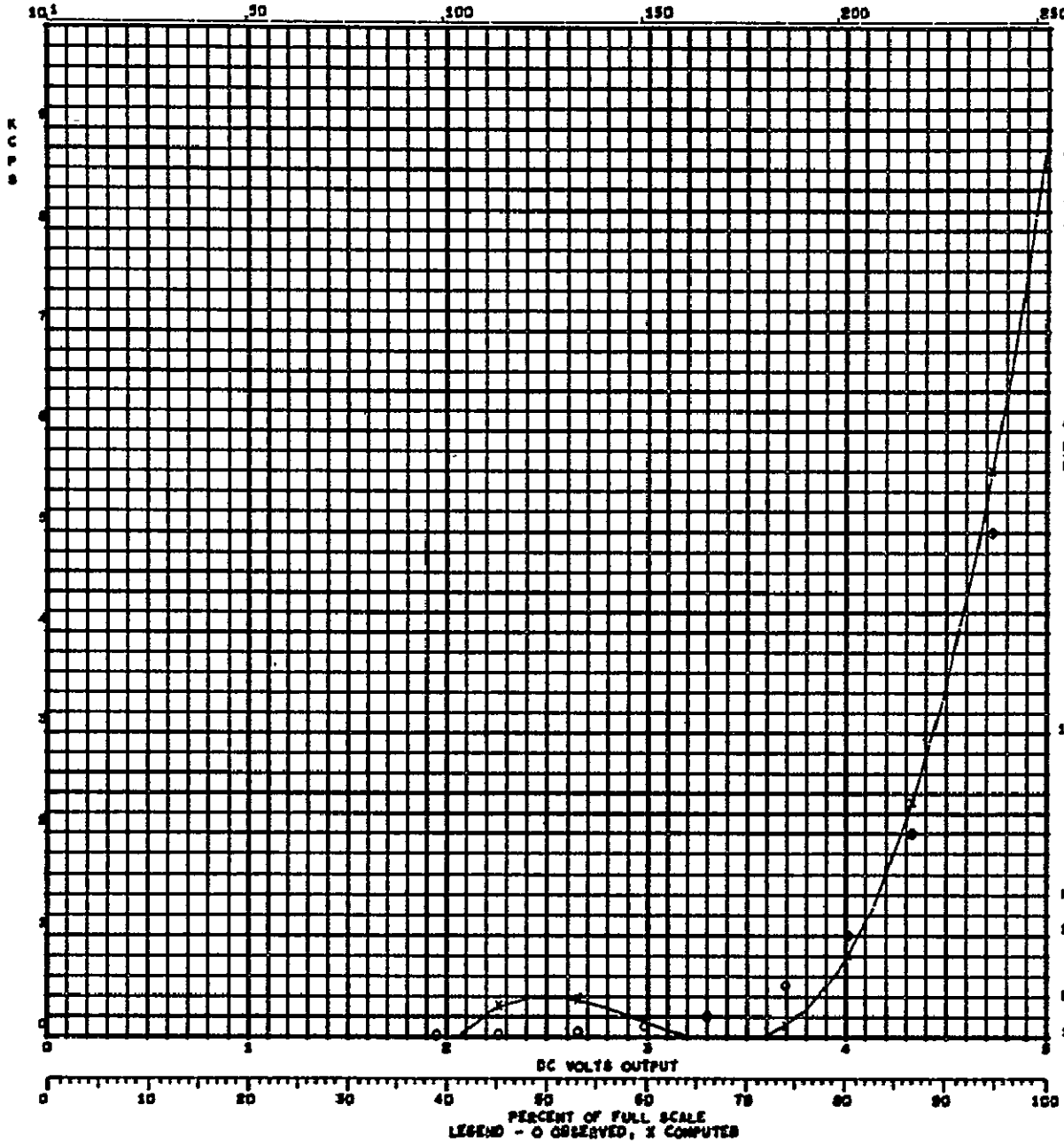
MEASUREMENT NO. 2006T0823K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 066098237017
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/81

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	-30.147	38	-11.999	75	-2.653	112	0.234	149	0.205	186	0.003	223	2.571
2	-29.513	39	-11.647	76	-2.703	113	0.281	150	0.189	187	0.023	224	2.706
3	-28.888	40	-11.301	77	-2.557	114	0.286	151	0.172	188	0.045	225	2.846
4	-28.271	41	-10.962	78	-2.416	115	0.308	152	0.156	189	0.069	226	2.990
5	-27.662	42	-10.629	79	-2.279	116	0.329	153	0.139	190	0.095	227	3.138
6	-27.062	43	-10.302	80	-2.147	117	0.347	154	0.123	191	0.123	228	3.291
7	-26.470	44	-9.982	81	-2.018	118	0.364	155	0.107	192	0.154	229	3.448
8	-25.887	45	-9.668	82	-1.894	119	0.378	156	0.091	193	0.187	230	3.610
9	-25.312	46	-9.360	83	-1.773	120	0.391	157	0.075	194	0.223	231	3.776
10	-24.748	47	-9.058	84	-1.656	121	0.402	158	0.060	195	0.261	232	3.947
11	-24.187	48	-8.762	85	-1.544	122	0.411	159	0.045	196	0.301	233	4.123
12	-23.637	49	-8.473	86	-1.435	123	0.418	160	0.030	197	0.344	234	4.303
13	-23.095	50	-8.189	87	-1.330	124	0.424	161	0.016	198	0.390	235	4.488
14	-22.561	51	-7.911	88	-1.229	125	0.428	162	0.003	199	0.439	236	4.678
15	-22.035	52	-7.639	89	-1.131	126	0.431	163	-0.010	200	0.490	237	4.873
16	-21.516	53	-7.372	90	-1.037	127	0.432	164	-0.022	201	0.544	238	5.073
17	-21.006	54	-7.112	91	-0.947	128	0.432	165	-0.033	202	0.601	239	5.278
18	-20.503	55	-6.857	92	-0.860	129	0.430	166	-0.044	203	0.661	240	5.488
19	-20.009	56	-6.607	93	-0.776	130	0.427	167	-0.054	204	0.724	241	5.704
20	-19.521	57	-6.363	94	-0.696	131	0.423	168	-0.062	205	0.790	242	5.924
21	-19.042	58	-6.125	95	-0.619	132	0.418	169	-0.070	206	0.859	243	6.150
22	-18.570	59	-5.892	96	-0.546	133	0.411	170	-0.077	207	0.932	244	6.381
23	-18.105	60	-5.664	97	-0.476	134	0.404	171	-0.083	208	1.008	245	6.617
24	-17.648	61	-5.442	98	-0.408	135	0.396	172	-0.087	209	1.086	246	6.859
25	-17.199	62	-5.225	99	-0.344	136	0.386	173	-0.090	210	1.169	247	7.107
26	-16.756	63	-5.013	100	-0.283	137	0.376	174	-0.092	211	1.254	248	7.360
27	-16.321	64	-4.806	101	-0.225	138	0.365	175	-0.093	212	1.344	249	7.619
28	-15.893	65	-4.604	102	-0.170	139	0.353	176	-0.093	213	1.436	250	7.883
29	-15.473	66	-4.408	103	-0.118	140	0.340	177	-0.090	214	1.533	251	8.153
30	-15.059	67	-4.216	104	-0.068	141	0.327	178	-0.087	215	1.635	252	8.429
31	-14.653	68	-4.029	105	-0.021	142	0.313	179	-0.082	216	1.736	253	8.711
32	-14.253	69	-3.847	106	0.023	143	0.299	180	-0.075	217	1.844	254	8.998
33	-13.860	70	-3.670	107	0.064	144	0.284	181	-0.066	218	1.955		
34	-13.475	71	-3.497	108	0.103	145	0.269	182	-0.056	219	2.070		
35	-13.096	72	-3.329	109	0.140	146	0.254	183	-0.044	220	2.189		
36	-12.723	73	-3.166	110	0.174	147	0.238	184	-0.030	221	2.312		
37	-12.358	74	-3.007	111	0.205	148	0.222	185	-0.015	222	2.440		

12/06/71
3 INSTALLATION DATE SEPT. 10,1961
ALPHA COUNT RATE CHANNEL 1
CAL RANGE .010000 TO 10.0000

SC-113

HARDWARE CALID. NO. 78756 01 00 00
SERIAL NO. 9660182217017
#11145



EQUATION COEFFICIENTS

A_0= -2.817 E 01
A_1= 3.033 E 01
A_2= -1.054 E 01
A_3= 1.191 E 00

AL DEV= 0
MX DEV / RANGE = 0

0% = -2.817E 01
20% = -7.190E 00
40% = -1.382E-01
50% = 4.008E-01
60% = 1.360E-01
80% = 7.739E-01
100% = 8.924E 00

MEASUREMENT NO.
200STOGSOK01

MEAS LOADING NO.
1102010 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ALPHA COUNT RATE CHANNEL 1

MEASUREMENT NO. 2005T063DK01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06609B257017
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/61

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	-28.171	38	-11.163	75	-2.630	112	0.224	149	0.192	186	0.068	223	2.647
2	-27.575	39	-10.834	76	-2.490	113	0.248	150	0.177	187	0.090	224	2.781
3	-26.968	40	-10.510	77	-2.355	114	0.271	151	0.162	188	0 113	225	2.918
4	-26.409	41	-10.193	78	-2.224	115	0.291	152	0.148	189	0.139	226	3.060
5	-25.839	42	-9.882	79	-2.097	116	0.310	153	0.133	190	0.167	227	3.206
6	-25.276	43	-9.576	80	-1.974	117	0.326	154	0.119	191	0.197	228	3.356
7	-24.721	44	-9.277	81	-1.855	118	0.341	155	0.104	192	0.229	229	3.510
8	-24.174	45	-8.984	82	-1.739	119	0.354	156	0.090	193	0.264	230	3.669
9	-23.635	46	-8.696	83	-1.627	120	0.365	157	0.077	194	0.301	231	3.832
10	-23.103	47	-8.414	84	-1.519	121	0.375	158	0.064	195	0.340	232	3.999
11	-22.580	48	-8.138	85	-1.415	122	0.383	159	0.051	196	0.382	233	4.171
12	-22.064	49	-7.867	86	-1.314	123	0.390	160	0.038	197	0.426	234	4.348
13	-21.555	50	-7.602	87	-1.217	124	0.395	161	0.027	198	0.473	235	4.529
14	-21.054	51	-7.343	88	-1.123	125	0.398	162	0.015	199	0.523	236	4.715
15	-20.561	52	-7.089	89	-1.033	126	0.400	163	0.005	200	0.575	237	4.906
16	-20.075	53	-6.840	90	-0.946	127	0.401	164	-0.005	201	0.630	238	5.101
17	-19.597	54	-6.597	91	-0.862	128	0.400	165	-0.014	202	0.688	239	5.302
18	-19.128	55	-6.359	92	-0.782	129	0.399	166	-0.022	203	0.749	240	5.507
19	-18.662	56	-6.126	93	-0.705	130	0.396	167	-0.030	204	0.812	241	5.717
20	-18.206	57	-5.899	94	-0.631	131	0.392	168	-0.036	205	0.879	242	5.932
21	-17.756	58	-5.676	95	-0.560	132	0.387	169	-0.042	206	0.949	243	6.152
22	-17.314	59	-5.459	96	-0.492	133	0.381	170	-0.048	207	1.021	244	6.378
23	-16.879	60	-5.247	97	-0.427	134	0.374	171	-0.050	208	1.097	245	6.608
24	-16.451	61	-5.040	98	-0.365	135	0.366	172	-0.052	209	1.176	246	6.844
25	-16.030	62	-4.837	99	-0.306	136	0.357	173	-0.053	210	1.258	247	7.085
26	-15.615	63	-4.640	100	-0.250	137	0.347	174	-0.053	211	1.344	248	7.331
27	-15.208	64	-4.447	101	-0.197	138	0.337	175	-0.051	212	1.433	249	7.583
28	-14.807	65	-4.259	102	-0.146	139	0.326	176	-0.048	213	1.525	250	7.840
29	-14.414	66	-4.076	103	-0.098	140	0.315	177	-0.044	214	1.621	251	8.103
30	-14.026	67	-3.897	104	-0.053	141	0.302	178	-0.038	215	1.720	252	8.371
31	-13.646	68	-3.723	105	-0.010	142	0.290	179	-0.031	216	1.823	253	8.645
32	-13.272	69	-3.554	106	0.031	143	0.277	180	-0.022	217	1.929	254	8.924
33	-12.904	70	-3.389	107	0.069	144	0.263	181	-0.011	218	2.039		
34	-12.543	71	-3.229	108	0.104	145	0.249	182	0.001	219	2.153		
35	-12.189	72	-3.072	109	0.138	146	0.235	183	0.015	220	2.271		
36	-11.841	73	-2.921	110	0.169	147	0.221	184	0.031	221	2.393		
37	-11.499	74	-2.773	111	0.197	148	0.206	185	0.049	222	2.518		

12/06/71

INSTALLATION DATE SEPT. 10,1981

ALPHA COUNT RATE CHANNEL 2

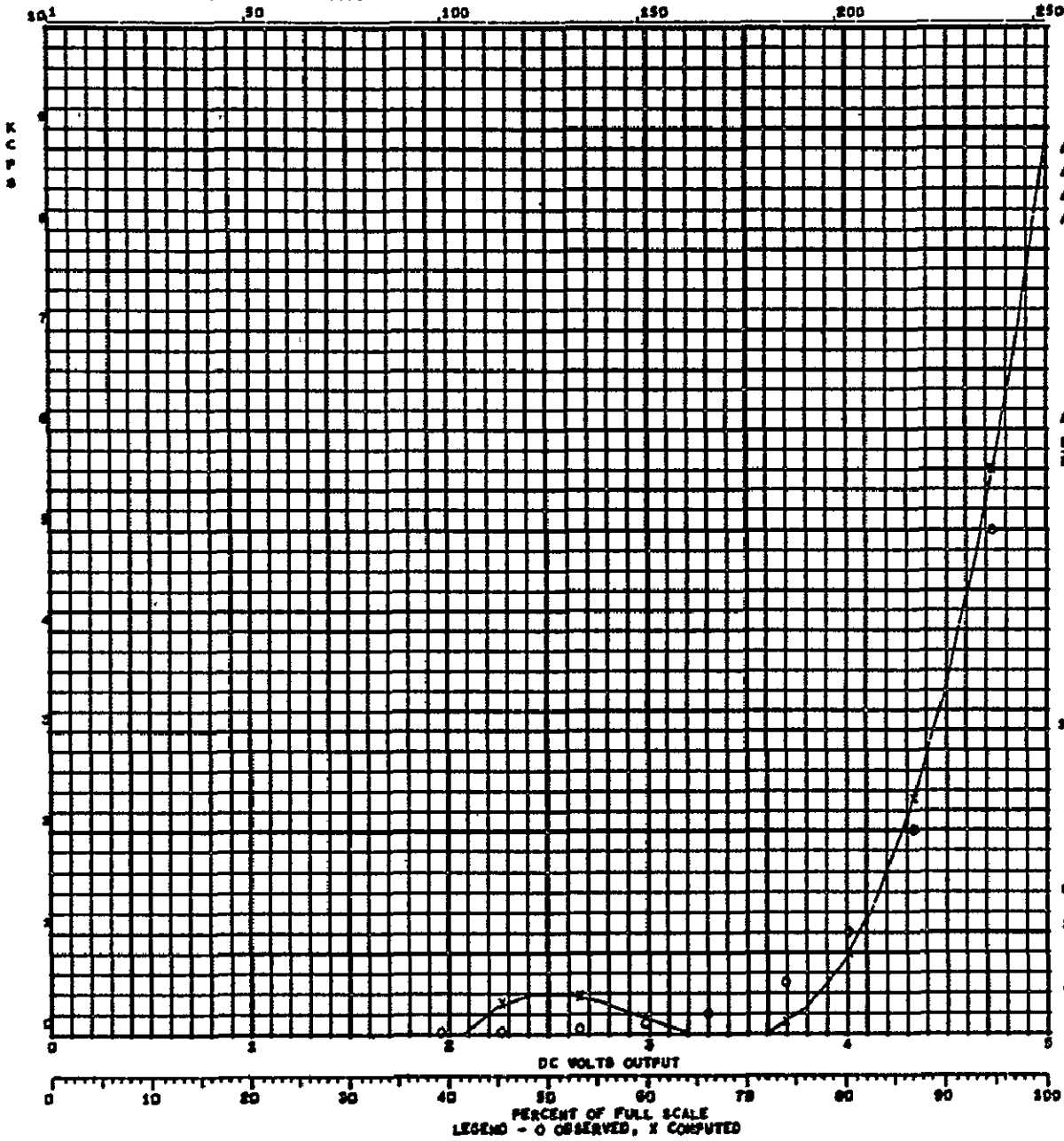
CAL RANGE .810000 TO 10.0000

SC-113

HARDWARE CALIB. NO. 75750 01 00 00

SERIAL NO. 0660062378I7

#11145



EQUATION COEFFICIENTS

A_0= -2.859 E 01

A_1= 9.070 E 01

A_2= -3.069 E 01

A_3= 2.201 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = 0

0 % = -2.859E 01

20 % = -7.333E 00

40 % = -1.570E-01

50 % = 4.014E-01

60 % = 1.411E-01

80 % = 7.681E-01

100 % = 8.930E 00

MEASUREMENT NO.

20097C0831K01

MEAS LOADING NO.

1102017 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

ALPHA COUNT RATE CHANNEL 2

MEASUREMENT NO. 2008T0831K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 066090237017
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/81

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	-28.593	38	-11.364	75	-2.700	112	0.214	149	0.197	186	0.087	223	2.640
2	-27.991	39	-11.030	76	-2.559	113	0.239	150	0.182	187	0.068	224	2.774
3	-27.396	40	-10.702	77	-2.421	114	0.283	151	0.168	188	0.111	225	2.911
4	-26.810	41	-10.380	78	-2.288	115	0.284	152	0.153	189	0.137	226	3.053
5	-26.232	42	-10.064	79	-2.158	116	0.303	153	0.138	190	0.164	227	3.199
6	-25.662	43	-9.755	80	-2.033	117	0.321	154	0.124	191	0.194	228	3.349
7	-25.100	44	-9.451	81	-1.912	118	0.336	155	0.109	192	0.226	229	3.504
8	-24.546	45	-9.153	82	-1.794	119	0.350	156	0.095	193	0.260	230	3.663
9	-24.000	46	-8.861	83	-1.680	120	0.362	157	0.082	194	0.297	231	3.828
10	-23.462	47	-8.575	84	-1.570	121	0.372	158	0.068	195	0.336	232	3.994
11	-22.932	48	-8.295	85	-1.464	122	0.381	159	0.055	196	0.378	233	4.168
12	-22.409	49	-8.021	86	-1.361	123	0.388	160	0.043	197	0.422	234	4.343
13	-21.894	50	-7.752	87	-1.262	124	0.393	161	0.031	198	0.469	235	4.524
14	-21.387	51	-7.488	88	-1.166	125	0.397	162	0.020	199	0.518	236	4.711
15	-20.887	52	-7.230	89	-1.074	126	0.400	163	0.009	200	0.570	237	4.902
16	-20.395	53	-6.978	90	-0.985	127	0.401	164	-0.001	201	0.625	238	5.098
17	-19.911	54	-6.731	91	-0.900	128	0.401	165	-0.011	202	0.683	239	5.298
18	-19.433	55	-6.490	92	-0.818	129	0.400	166	-0.019	203	0.743	240	5.504
19	-18.964	56	-6.253	93	-0.739	130	0.397	167	-0.027	204	0.807	241	5.714
20	-18.501	57	-6.023	94	-0.663	131	0.394	168	-0.033	205	0.873	242	5.930
21	-18.045	58	-5.797	95	-0.591	132	0.389	169	-0.039	206	0.942	243	6.151
22	-17.596	59	-5.576	96	-0.522	133	0.383	170	-0.044	207	1.015	244	6.377
23	-17.157	60	-5.361	97	-0.455	134	0.377	171	-0.047	208	1.090	245	6.608
24	-16.725	61	-5.150	98	-0.392	135	0.369	172	-0.050	209	1.169	246	6.844
25	-16.296	62	-4.945	99	-0.331	136	0.360	173	-0.051	210	1.251	247	7.086
26	-15.877	63	-4.744	100	-0.274	137	0.351	174	-0.051	211	1.337	248	7.333
27	-15.464	64	-4.548	101	-0.219	138	0.341	175	-0.050	212	1.426	249	7.585
28	-15.058	65	-4.357	102	-0.167	139	0.330	176	-0.047	213	1.518	250	7.843
29	-14.659	66	-4.171	103	-0.118	140	0.319	177	-0.043	214	1.613	251	8.106
30	-14.266	67	-3.990	104	-0.071	141	0.307	178	-0.038	215	1.713	252	8.375
31	-13.881	68	-3.813	105	-0.027	142	0.295	179	-0.030	216	1.816	253	8.650
32	-13.502	69	-3.641	106	0.015	143	0.282	180	-0.022	217	1.922	254	8.930
33	-13.129	70	-3.473	107	0.054	144	0.268	181	-0.011	218	2.032		
34	-12.763	71	-3.310	108	0.090	145	0.254	182	0.001	219	2.148		
35	-12.404	72	-3.151	109	0.125	146	0.240	183	0.014	220	2.264		
36	-12.051	73	-2.996	110	0.157	147	0.226	184	0.030	221	2.385		
37	-11.704	74	-2.846	111	0.186	148	0.212	185	0.047	222	2.511		

12/06/71

SC-113

HARDWARE CALIB. NO. 75760 01 02 03

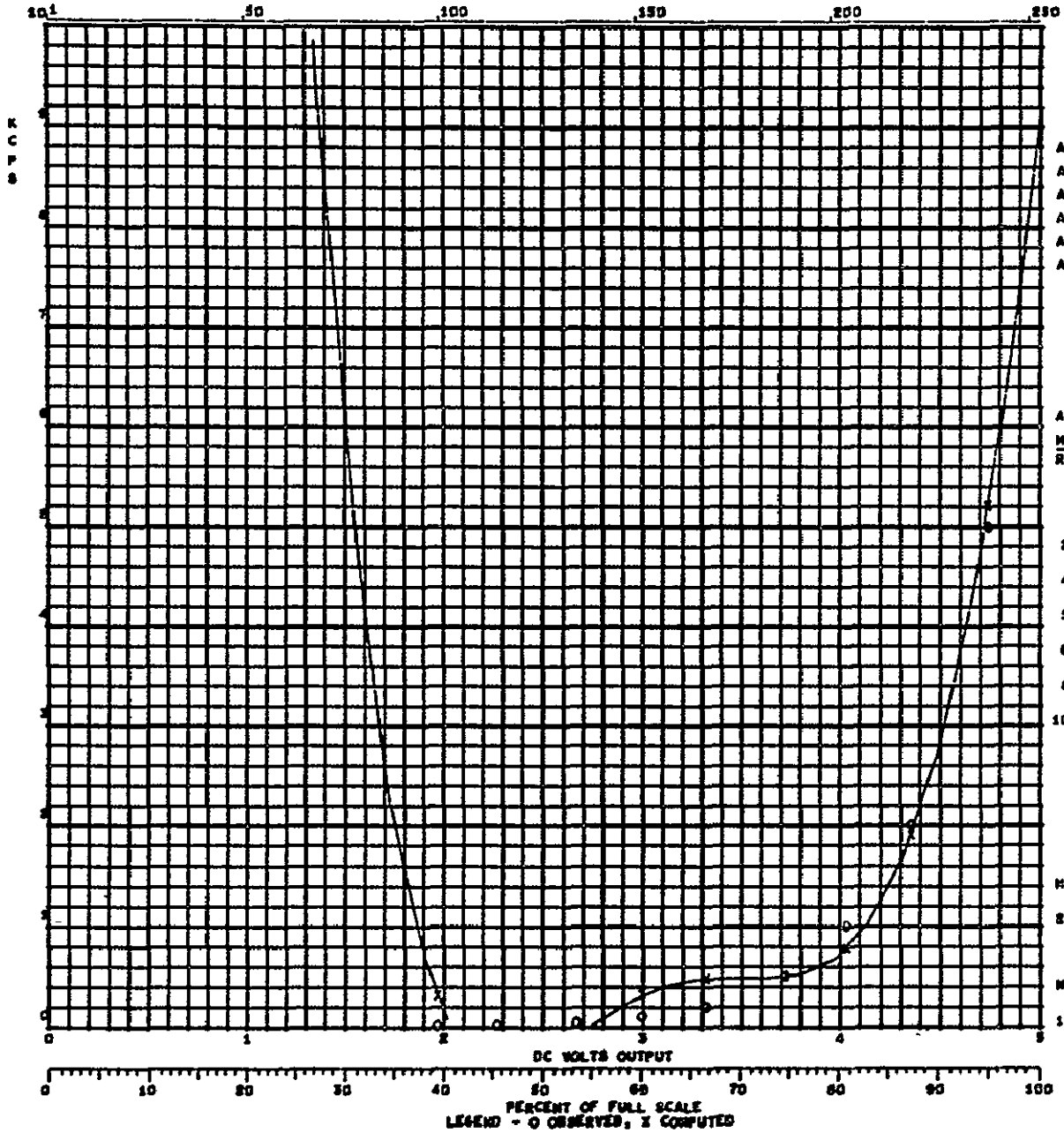
SERIAL NO. 0660300237017

#13145

INSTALLATION DATE SEPT. 10,1961

ALPHA COUNT RATE CHANNEL 3

CAL RANGE .010000 TO 10.0000



EQUATION COEFFICIENTS

A_0= 1.883 E 02

A_1= -2.204 E 02

A_2= 1.293 E 02

A_3= -3.462 E 01

A_4= 4.352 E 00

A_5= -2.000 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= 0

0% = 1.553E 02

20% = 2.478E 01

40% = 1.241E-01

50% = -3.056E-01

60% = 3.139E-01

80% = 7.182E-01

100% = 9.144E 00

MEASUREMENT NO.

2005T03SK01

MEAS LOADING NO.

1102025 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

ALPHA COUNT RATE CHANNEL 3

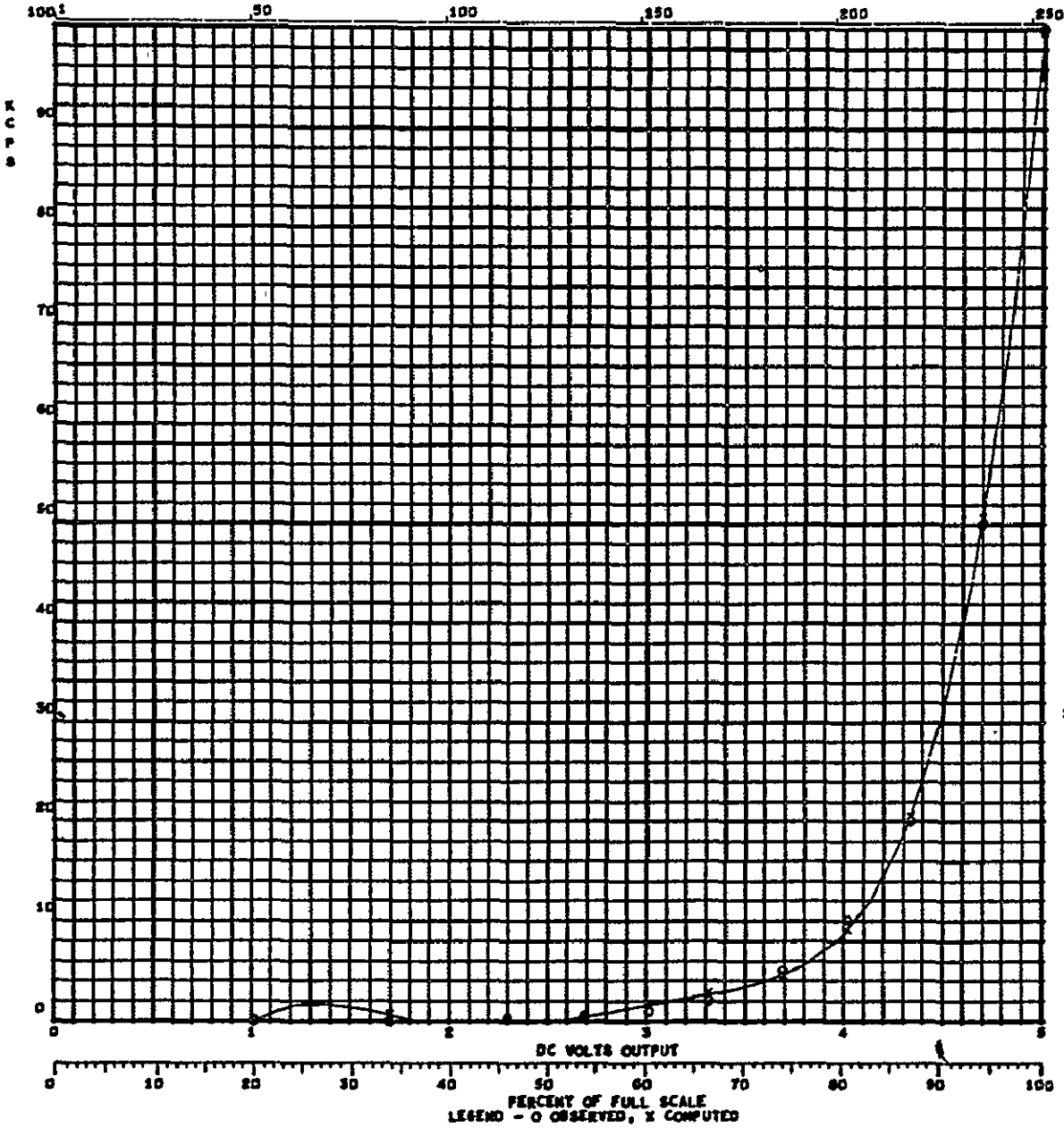
MEASUREMENT NO. 2003T0832K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 06609823T017
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/61

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	155.329	38	44.389	75	6.722	112	-0.370	149	0.240	186	0.481	223	2.072
2	150.845	39	42.650	76	6.271	113	-0.390	150	0.260	187	0.483	224	2.191
3	148.460	40	40.965	77	5.840	114	-0.403	151	0.280	188	0.486	225	2.315
4	142.174	41	39.325	78	5.429	115	-0.417	152	0.299	189	0.490	226	2.446
5	137.983	42	37.736	79	5.038	116	-0.425	153	0.317	190	0.494	227	2.583
6	133.886	43	36.195	80	4.665	117	-0.428	154	0.334	191	0.500	228	2.726
7	129.885	44	34.701	81	4.310	118	-0.429	155	0.351	192	0.508	229	2.875
8	125.974	45	33.253	82	3.975	119	-0.426	156	0.366	193	0.516	230	3.032
9	122.154	46	31.849	83	3.653	120	-0.421	157	0.380	194	0.526	231	3.195
10	118.422	47	30.490	84	3.350	121	-0.412	158	0.393	195	0.538	232	3.365
11	114.777	48	29.173	85	3.062	122	-0.401	159	0.405	196	0.552	233	3.542
12	111.219	49	27.899	86	2.790	123	-0.388	160	0.416	197	0.567	234	3.726
13	107.744	50	26.665	87	2.533	124	-0.373	161	0.426	198	0.584	235	3.918
14	104.353	51	25.472	88	2.290	125	-0.356	162	0.435	199	0.604	236	4.117
15	101.045	52	24.318	89	2.061	126	-0.337	163	0.443	200	0.626	237	4.324
16	97.813	53	23.203	90	1.845	127	-0.316	164	0.451	201	0.650	238	4.538
17	94.662	54	22.125	91	1.643	128	-0.295	165	0.457	202	0.676	239	4.761
18	91.588	55	21.083	92	1.452	129	-0.272	166	0.463	203	0.706	240	4.991
19	88.590	56	20.076	93	1.274	130	-0.247	167	0.467	204	0.738	241	5.230
20	85.667	57	19.107	94	1.106	131	-0.223	168	0.471	205	0.773	242	5.477
21	82.818	58	18.171	95	0.952	132	-0.197	169	0.474	206	0.811	243	5.735
22	80.040	59	17.268	96	0.808	133	-0.171	170	0.477	207	0.852	244	5.998
23	77.333	60	16.397	97	0.673	134	-0.144	171	0.479	208	0.897	245	6.271
24	74.696	61	15.558	98	0.549	135	-0.117	172	0.480	209	0.945	246	6.553
25	72.127	62	14.750	99	0.433	136	-0.090	173	0.481	210	0.997	247	6.844
26	69.625	63	13.972	100	0.327	137	-0.062	174	0.482	211	1.053	248	7.144
27	67.189	64	13.223	101	0.230	138	-0.035	175	0.482	212	1.113	249	7.453
28	64.817	65	12.503	102	0.141	139	-0.008	176	0.481	213	1.177	250	7.772
29	62.508	66	11.811	103	0.060	140	0.019	177	0.481	214	1.245	251	8.100
30	60.262	67	11.146	104	-0.014	141	0.046	178	0.480	215	1.317	252	8.438
31	58.078	68	10.508	105	-0.080	142	0.072	179	0.480	216	1.394	253	8.786
32	55.951	69	9.895	106	-0.140	143	0.098	180	0.479	217	1.475	254	9.144
33	53.884	70	9.306	107	-0.192	144	0.123	181	0.478	218	1.562		
34	51.874	71	8.744	108	-0.239	145	0.148	182	0.478	219	1.653		
35	49.921	72	8.205	109	-0.280	146	0.172	183	0.478	220	1.750		
36	48.023	73	7.688	110	-0.315	147	0.195	184	0.478	221	1.852		
37	46.180	74	7.194	111	-0.345	148	0.218	185	0.479	222	1.959		

12/06/71
S INSTALLATION DATE SEPT. 10.1961
PROTON-ALPHA INTEGR COUNT RATE
CAL RANGE .010000 TO 100.000

SC-113

HARDWARE CALIB. NO. 75761 01 00 00
SERIAL NO. 0660095237017
#11143



EQUATION COEFFICIENTS

A_0= -1.020 E 02
A_1= 8.478 E 02
A_2= -2.230 E 02
A_3= 9.486 E 01
A_4= -1.097 E 01
A_5= 1.478 E 00

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.020E 02
20% = -3.527E-01
40% = -4.910E-01
50% = -2.169E-01
60% = 1.549E 00
80% = 6.615E 00
100% = 9.948E 01

MEASUREMENT NO.
E00STO838K01

MEAS LOADING NO.
1102026 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PROTON-ALPHA INTEGR COUNT RATE

MEASUREMENT NO. 2003T0838K01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 0860823701T
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/10/81

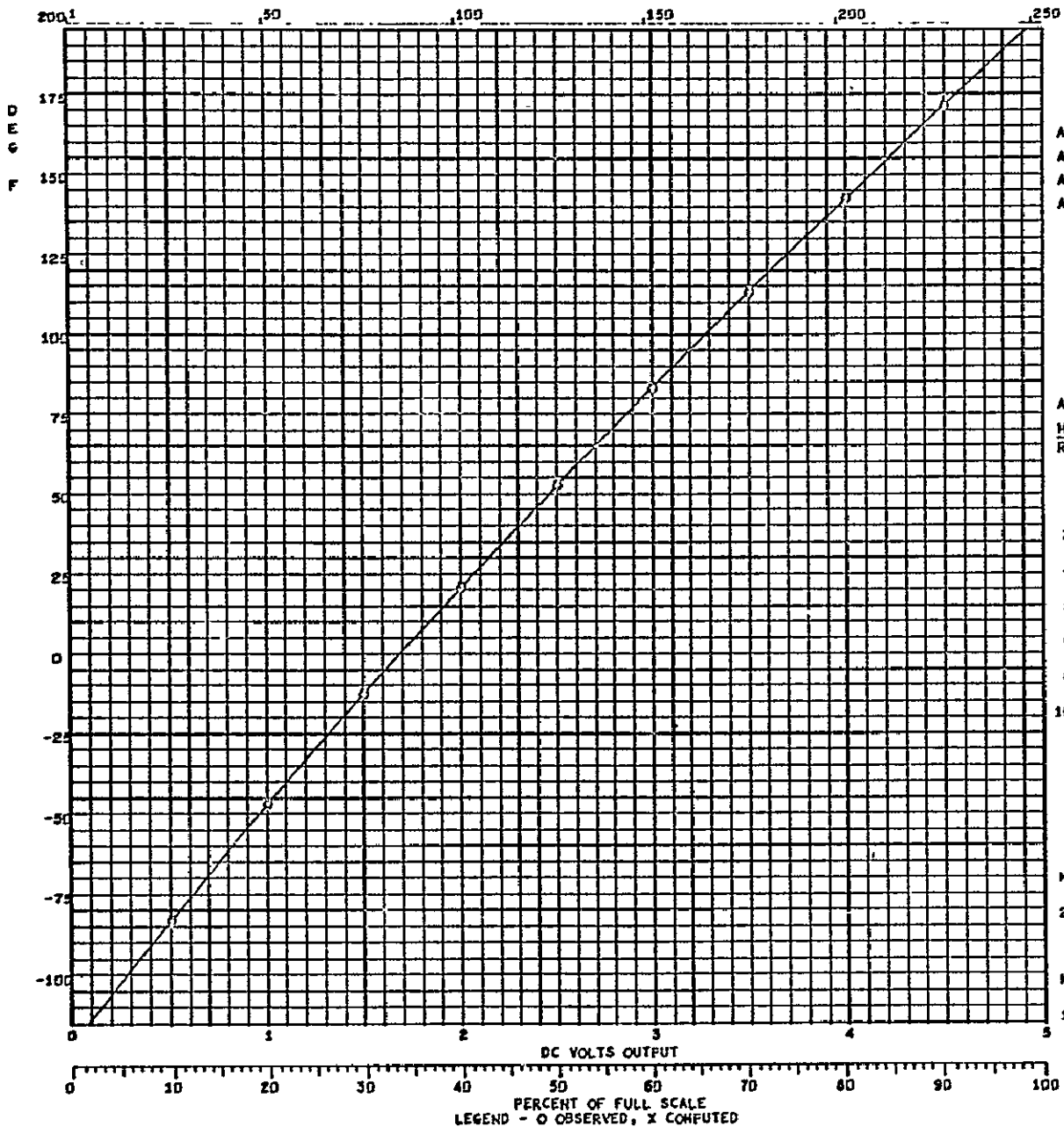
CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1	-102.010	36	-8.239	73	1.466	112	-0.684	149	1.271	186	4.269	223	23.132
2	-87.197	39	-7.370	76	1.425	113	-0.680	150	1.345	187	4.412	224	24.340
3	-82.554	40	-6.553	77	1.352	114	-0.673	151	1.418	188	4.564	225	25.606
4	-80.077	41	-5.769	78	1.278	115	-0.651	152	1.491	189	4.725	226	26.934
5	-83.761	42	-5.074	79	1.200	116	-0.646	153	1.563	190	4.896	227	28.325
6	-79.002	43	-4.408	80	1.120	117	-0.626	154	1.635	191	5.079	228	29.782
7	-75.596	44	-3.784	81	1.038	118	-0.603	155	1.706	192	5.273	229	31.307
8	-71.740	45	-3.205	82	0.953	119	-0.578	156	1.777	193	5.480	230	32.903
9	-68.029	46	-2.668	83	0.868	120	-0.548	157	1.847	194	5.701	231	34.571
10	-64.460	47	-2.172	84	0.782	121	-0.512	158	1.917	195	5.936	232	36.315
11	-61.028	48	-1.713	85	0.696	122	-0.475	159	1.985	196	6.186	233	38.137
12	-57.730	49	-1.291	86	0.610	123	-0.435	160	2.055	197	6.455	234	40.039
13	-54.563	50	-0.904	87	0.524	124	-0.391	161	2.124	198	6.737	235	42.024
14	-51.522	51	-0.550	88	0.439	125	-0.345	162	2.192	199	7.040	236	44.095
15	-48.604	52	-0.227	89	0.356	126	-0.296	163	2.260	200	7.362	237	46.255
16	-45.806	53	0.065	90	0.275	127	-0.244	164	2.328	201	7.704	238	48.506
17	-43.124	54	0.328	91	0.195	128	-0.189	165	2.396	202	8.068	239	50.852
18	-40.555	55	0.565	92	0.118	129	-0.133	166	2.464	203	8.455	240	53.294
19	-38.096	56	0.778	93	0.043	130	-0.074	167	2.532	204	8.865	241	55.837
20	-35.743	57	0.962	94	-0.029	131	-0.013	168	2.601	205	9.301	242	58.483
21	-33.493	58	1.125	95	-0.098	132	0.050	169	2.671	206	9.764	243	61.235
22	-31.343	59	1.267	96	-0.164	133	0.115	170	2.742	207	10.254	244	64.097
23	-29.290	60	1.388	97	-0.228	134	0.181	171	2.814	208	10.774	245	67.072
24	-27.332	61	1.490	98	-0.289	135	0.249	172	2.887	209	11.324	246	70.162
25	-25.464	62	1.574	99	-0.341	136	0.318	173	2.962	210	11.907	247	73.372
26	-23.685	63	1.641	100	-0.392	137	0.388	174	3.040	211	12.522	248	76.705
27	-21.990	64	1.692	101	-0.439	138	0.459	175	3.119	212	13.173	249	80.163
28	-20.378	65	1.728	102	-0.483	139	0.531	176	3.202	213	13.861	250	83.752
29	-18.848	66	1.751	103	-0.522	140	0.604	177	3.287	214	14.587	251	87.474
30	-17.393	67	1.760	104	-0.557	141	0.677	178	3.376	215	15.353	252	91.332
31	-16.014	68	1.758	105	-0.588	142	0.751	179	3.469	216	16.160	253	95.332
32	-14.706	69	1.746	106	-0.615	143	0.825	180	3.566	217	17.011	254	99.476
33	-13.468	70	1.725	107	-0.637	144	0.899	181	3.668	218	17.908		
34	-12.296	71	1.691	108	-0.655	145	0.974	182	3.776	219	18.851		
35	-11.192	72	1.651	109	-0.668	146	1.048	183	3.889	220	19.843		
36	-10.148	73	1.603	110	-0.678	147	1.123	184	4.008	221	20.886		
37	-9.165	74	1.549	111	-0.683	148	1.197	185	4.133	222	21.981		

09/27/71
3 INSTALLATION DATE HARCH 24,1969
TEMP NUCLEAR PARTICLE DET
CAL RANGE -116.214 TO 204.616

SC-113

HARDWARE CALIB. NO. SERIAL NO.
54390 01 DNA
75059 02 140
00

=21515



EQUATION COEFFICIENTS

A_0= -1.162 E 02
A_1= 7.786 E 01
A_2= -3.947 E 00
A_3= 2.434 E-01

AL DEV= 0

$\frac{\text{HX DEV}}{\text{RANGE}}$ = 0

0% = -1.162E 02
20% = -4.206E 01
40% = 2.566E 01
50% = 5.756E 01
60% = 8.840E 01
80% = 1.476E 02
100% = 2.048E 02

MEASUREMENT NO.
200ST0840T01

MEAS LOADING NO.
1021052 12 20

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP NUCLEAR PARTICLE DET

MEASUREMENT NO. 200ST0840T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. DNA
SIGNAL CONDITIONER SERIAL NO. 140
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/24/69

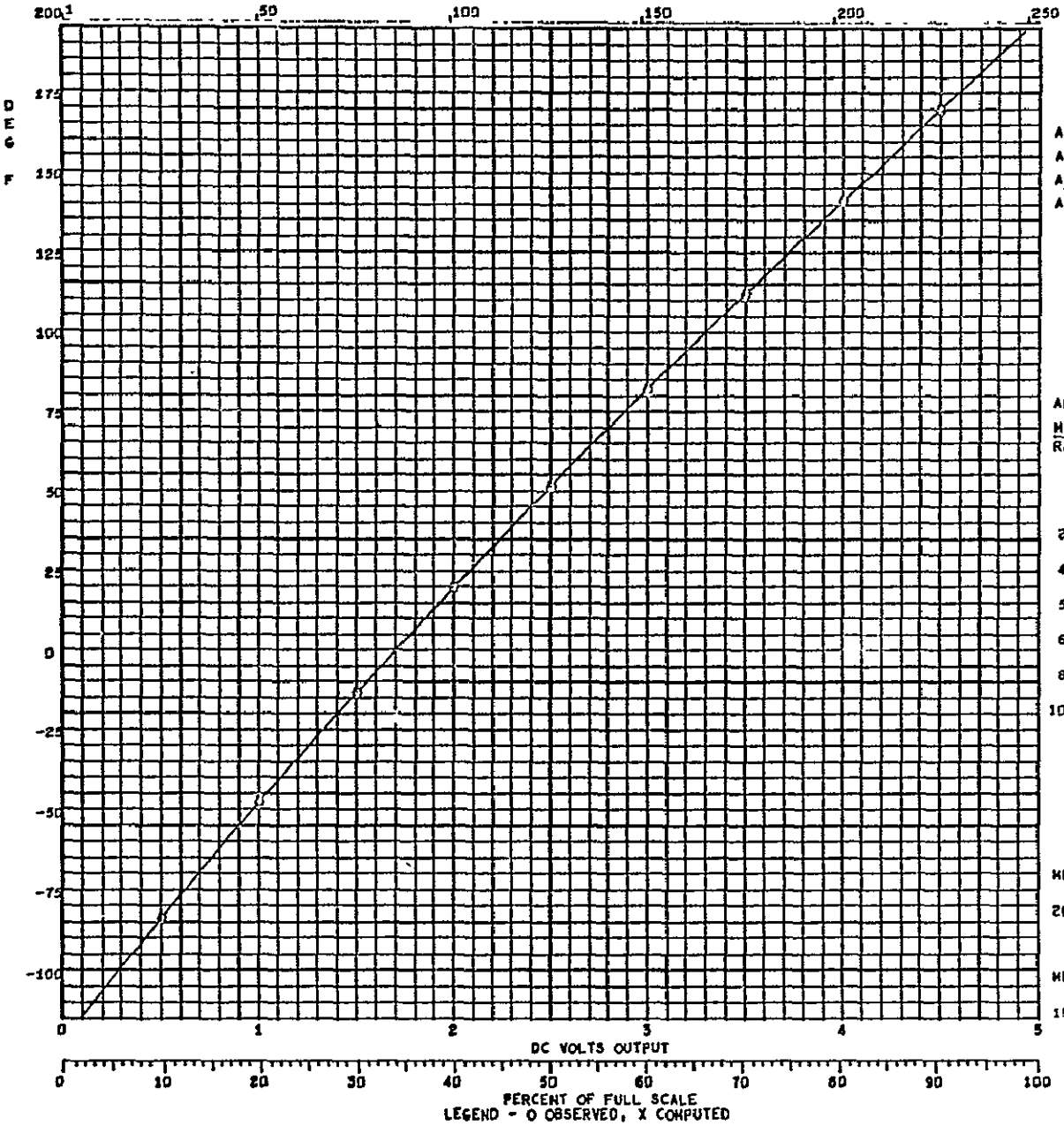
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-116.214	38	-61.299	75	-10.034	112	38.153	149	83.831	186	127.573	223	169.948
2	-114.677	39	-59.868	76	-8.693	113	39.416	150	85.036	187	128.733	224	171.080
3	-113.143	40	-58.440	77	-7.355	114	40.681	151	86.240	188	129.893	225	172.211
4	-111.612	41	-57.014	78	-6.020	115	41.942	152	87.442	189	131.052	226	173.342
5	-110.084	42	-55.591	79	-4.686	116	43.202	153	88.643	190	132.210	227	174.472
6	-108.559	43	-54.171	80	-3.355	117	44.459	154	89.843	191	133.366	228	175.601
7	-107.038	44	-52.753	81	-2.026	118	45.715	155	91.041	192	134.522	229	176.730
8	-105.519	45	-51.338	82	-0.699	119	46.970	156	92.238	193	135.677	230	177.859
9	-104.003	46	-49.925	83	0.626	120	48.222	157	93.433	194	136.831	231	178.987
10	-102.490	47	-48.515	84	1.949	121	49.475	158	94.628	195	137.984	232	180.114
11	-100.980	48	-47.107	85	3.269	122	50.722	159	95.820	196	139.136	233	181.241
12	-99.473	49	-45.703	86	4.588	123	51.969	160	97.012	197	140.288	234	182.367
13	-97.969	50	-44.300	87	5.904	124	53.215	161	98.202	198	141.438	235	183.494
14	-96.468	51	-42.900	88	7.218	125	54.458	162	99.391	199	142.588	236	184.619
15	-94.970	52	-41.503	89	8.530	126	55.701	163	100.579	200	143.737	237	185.744
16	-93.475	53	-40.108	90	9.840	127	56.941	164	101.765	201	144.884	238	186.869
17	-91.983	54	-38.716	91	11.148	128	58.180	165	102.951	202	146.032	239	187.993
18	-90.493	55	-37.326	92	12.454	129	59.417	166	104.135	203	147.178	240	189.117
19	-89.007	56	-35.939	93	13.758	130	60.653	167	105.317	204	148.323	241	190.241
20	-87.523	57	-34.554	94	15.059	131	61.887	168	106.499	205	149.468	242	191.364
21	-86.043	58	-33.171	95	16.359	132	63.119	169	107.679	206	150.612	243	192.487
22	-84.565	59	-31.791	96	17.657	133	64.350	170	108.859	207	151.755	244	193.609
23	-83.090	60	-30.414	97	18.952	134	65.579	171	110.037	208	152.897	245	194.731
24	-81.618	61	-29.038	98	20.246	135	66.806	172	111.213	209	154.039	246	195.853
25	-80.148	62	-27.666	99	21.537	136	68.032	173	112.389	210	155.180	247	196.975
26	-78.682	63	-26.295	100	22.827	137	69.256	174	113.564	211	156.320	248	198.096
27	-77.218	64	-24.927	101	24.115	138	70.479	175	114.737	212	157.459	249	199.216
28	-75.757	65	-23.562	102	25.401	139	71.701	176	115.909	213	158.598	250	200.337
29	-74.299	66	-22.199	103	26.684	140	72.920	177	117.080	214	159.736	251	201.457
30	-72.844	67	-20.838	104	27.966	141	74.139	178	118.250	215	160.873	252	202.577
31	-71.391	68	-19.479	105	29.246	142	75.355	179	119.419	216	162.010	253	203.697
32	-69.941	69	-18.123	106	30.524	143	76.571	180	120.587	217	163.146	254	204.817
33	-68.494	70	-16.769	107	31.800	144	77.784	181	121.754	218	164.281		
34	-67.050	71	-15.417	108	33.074	145	78.997	182	122.920	219	165.416		
35	-65.608	72	-14.068	109	34.347	146	80.207	183	124.085	220	166.550		
36	-64.169	73	-12.721	110	35.617	147	81.417	184	125.248	221	167.683		
37	-62.733	74	-11.376	111	36.886	148	82.625	185	126.411	222	168.816		

09/27/71
3 INSTALLATION DATE MARCH 24,1969
TEMP NUCLEAR PARTICLE ANALYZER
CAL RANGE -116.642 TO 203.357

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
54390 01	DNA
75060 02	144
00	

=21515



EQUATION COEFFICIENTS

A_0= -1.166 E 02
A_1= 7.758 E 01
A_2= -3.919 E 00
A_3= 2.404 E-01

AL DEV= 0
$\frac{MX\ DEV}{RANGE}$ = 0

0% = -1.166E 02
20% = -4.274E 01
40% = 2.476E 01
50% = 5.657E 01
60% = 8.732E 01
80% = 1.464E 02
100% = 2.033E 02

MEASUREMENT NO.
2005T0841T01

MEAS LOADING NO.
1021084 12 29

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP NUCLEAR PARTICLE ANALYZER

MEASUREMENT NO. 200ST0841T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. DNA
SIGNAL CONDITIONER SERIAL NO.- 144
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 03/24/69

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-116.642	38	-61.916	75	-10.816	112	37.221	149	82.760	186	126.364	223	168.597
2	-115.110	39	-60.489	76	-9.480	113	38.482	150	83.961	187	127.521	224	169.725
3	-113.582	40	-59.066	77	-8.146	114	39.742	151	85.161	188	128.677	225	170.852
4	-112.056	41	-57.645	78	-6.814	115	40.999	152	86.360	189	129.832	226	171.979
5	-110.534	42	-56.227	79	-5.485	116	42.255	153	87.557	190	130.986	227	173.105
6	-109.014	43	-54.811	80	-4.158	117	43.509	154	88.753	191	132.139	228	174.230
7	-107.498	44	-53.398	81	-2.833	118	44.761	155	89.947	192	133.291	229	175.355
8	-105.984	45	-51.987	82	-1.510	119	46.011	156	91.141	193	134.442	230	176.480
9	-104.473	46	-50.579	83	-0.189	120	47.260	157	92.332	194	135.592	231	177.603
10	-102.966	47	-49.174	84	1.129	121	48.507	158	93.523	195	136.742	232	178.727
11	-101.461	48	-47.771	85	2.445	122	49.752	159	94.712	196	137.890	233	179.850
12	-99.960	49	-46.370	86	3.760	123	50.995	160	95.900	197	139.037	234	180.972
13	-98.461	50	-44.973	87	5.072	124	52.237	161	97.086	198	140.184	235	182.094
14	-96.965	51	-43.577	88	6.382	125	53.477	162	98.272	199	141.330	236	183.216
15	-95.472	52	-42.185	89	7.690	126	54.715	163	99.456	200	142.475	237	184.337
16	-93.982	53	-40.794	90	8.996	127	55.952	164	100.639	201	143.619	238	185.457
17	-92.495	54	-39.406	91	10.300	128	57.187	165	101.820	202	144.762	239	186.578
18	-91.011	55	-38.021	92	11.601	129	58.421	166	103.000	203	145.905	240	187.697
19	-89.530	56	-36.638	93	12.901	130	59.652	167	104.179	204	147.046	241	188.817
20	-88.051	57	-35.258	94	14.199	131	60.883	168	105.357	205	148.187	242	189.936
21	-86.576	58	-33.880	95	15.494	132	62.111	169	106.534	206	149.327	243	191.054
22	-85.103	59	-32.504	96	16.788	133	63.338	170	107.709	207	150.466	244	192.173
23	-83.633	60	-31.131	97	18.080	134	64.563	171	108.884	208	151.605	245	193.291
24	-82.166	61	-29.760	98	19.369	135	65.787	172	110.057	209	152.742	246	194.408
25	-80.702	62	-28.392	99	20.657	136	67.009	173	111.229	210	153.879	247	195.525
26	-79.240	63	-27.026	100	21.943	137	68.230	174	112.400	211	155.016	248	196.642
27	-77.781	64	-25.662	101	23.226	138	69.449	175	113.569	212	156.151	249	197.759
28	-76.325	65	-24.301	102	24.508	139	70.666	176	114.738	213	157.286	250	198.875
29	-74.872	66	-22.942	103	25.788	140	71.882	177	115.905	214	158.420	251	199.991
30	-73.422	67	-21.586	104	27.066	141	73.097	178	117.072	215	159.553	252	201.107
31	-71.974	68	-20.231	105	28.342	142	74.310	179	118.237	216	160.686	253	202.222
32	-70.529	69	-18.879	106	29.616	143	75.522	180	119.401	217	161.818	254	203.338
33	-69.087	70	-17.530	107	30.888	144	76.732	181	120.564	218	162.950		
34	-67.647	71	-16.183	108	32.159	145	77.940	182	121.726	219	164.080		
35	-66.210	72	-14.837	109	33.427	146	79.147	183	122.887	220	165.211		
36	-64.776	73	-13.495	110	34.694	147	80.353	184	124.047	221	166.340		
37	-63.344	74	-12.154	111	35.958	148	81.557	185	125.206	222	167.469		

onboard-displayed measurements

06/29/71
5 . 0

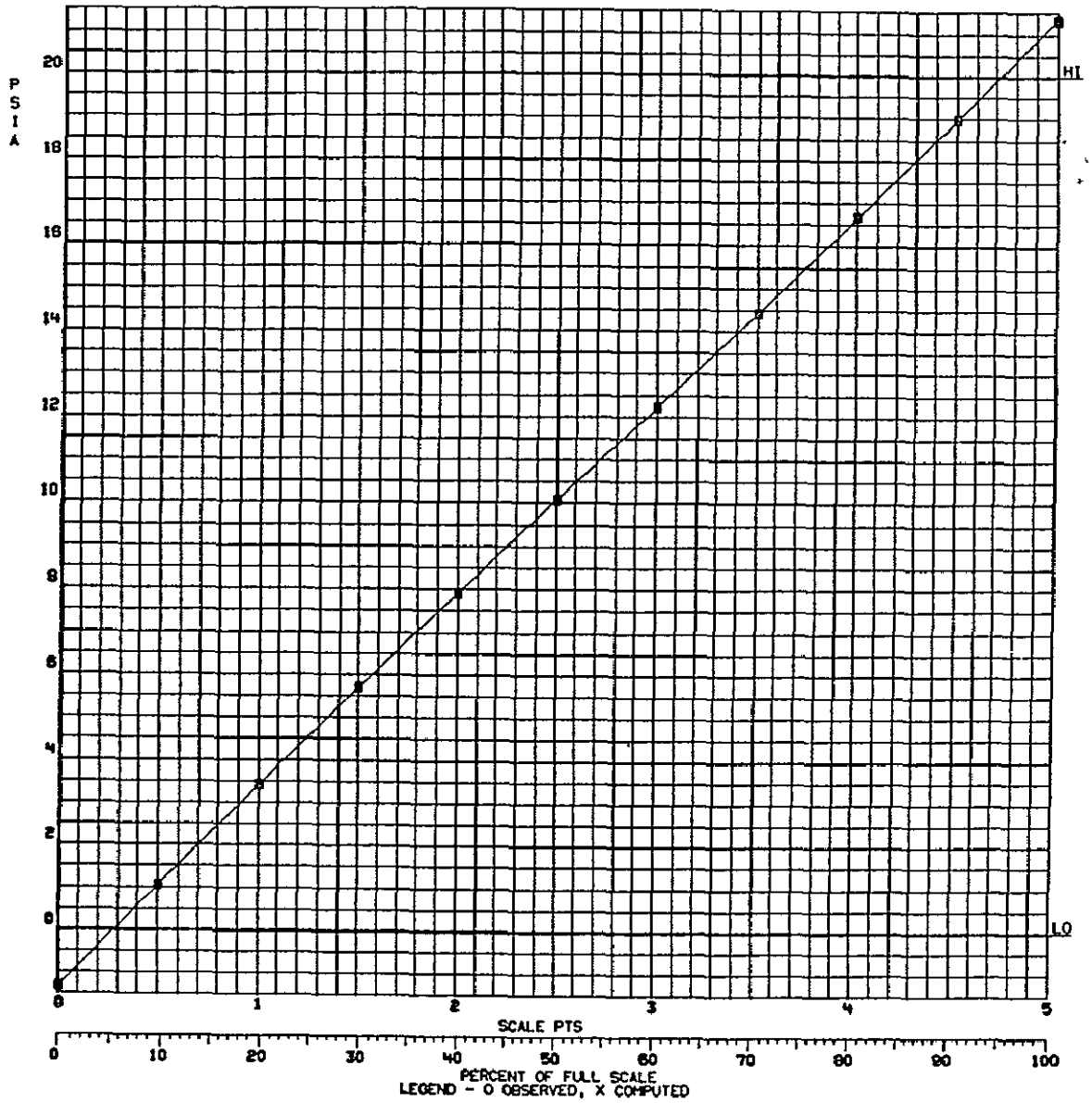
PRESS BATT COMPART (MANIF)
INSTALLATION DATE OCT. 7,1969

SC-113

HARDWARE CALIB. NO. | SERIAL NO
77049- 1 | 10308603075A
04865- I | 097602221110

0459-77-03
0000 0275

RANGE
0.0
TO
20 00



EQUATION COEFFICIENTS

A_0=-1.329E 00
A_1= 4.694E 00
A_2= 1.960E-01
A_3=-2.051E-01
A_4= 5.231E-02
A_5=-4.088E-03

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN *HI OR LESS* THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0188P- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

7 081

06/29/71
1 . 0

AC VOLTAGE MAIN BUS 1 PHASE A-
INSTALLATION DATE OCT. 1,1969

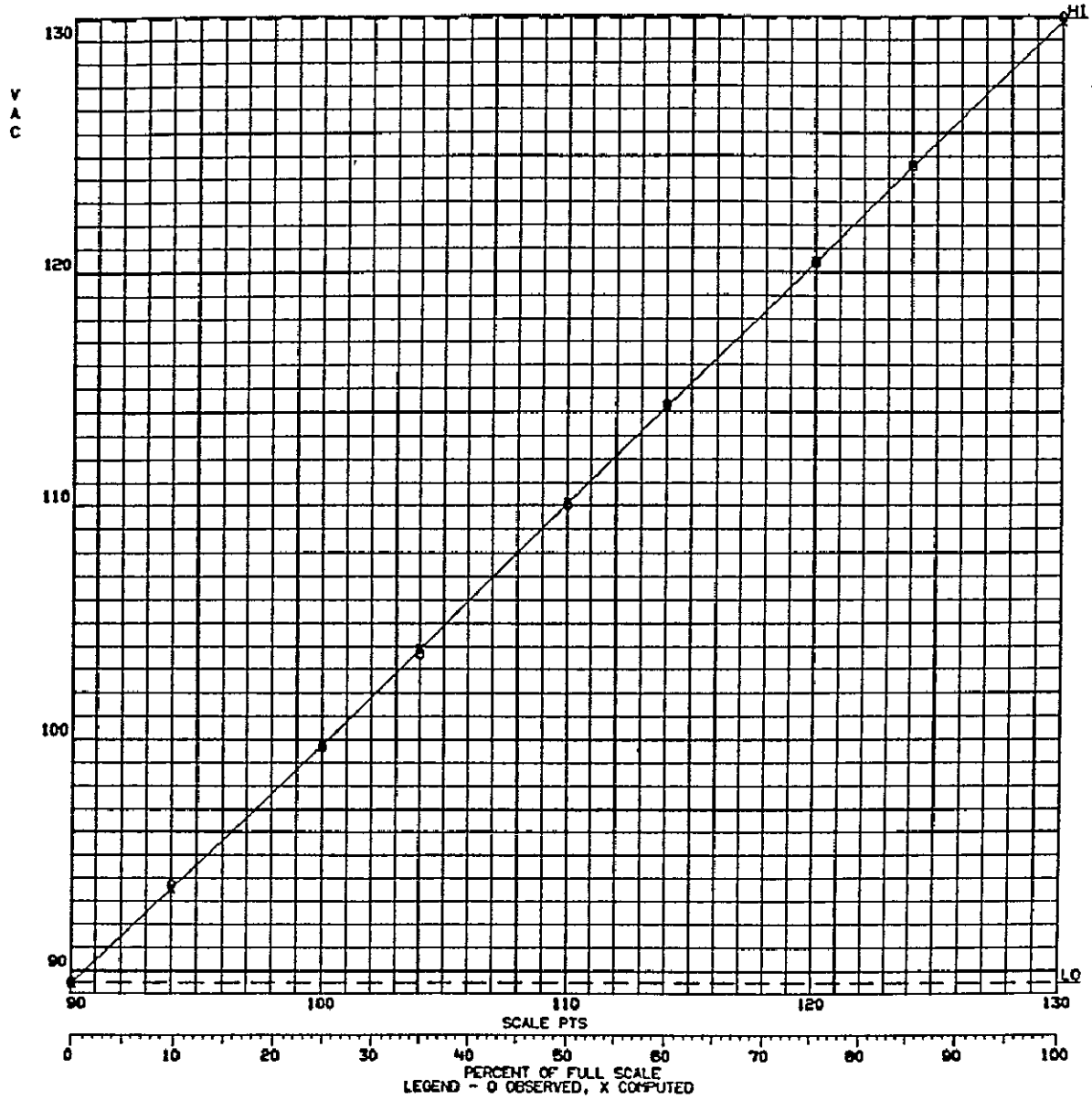
SC-113

HARDWARE CALIB NO. 77846- 1

SERIAL NO. 097602207119

0459-77-03
0000 0276

RANGE
89.50
TO
130.9



EQUATION COEFFICIENTS

A_0=-3.671E 00

A_1= 1.034E 00

SIGMA=.11153

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00269

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0200V- 1-0

LOADING NO.
M11P3

MINIMUM LOADING NO.

06/29/71
1 , 0

SC-113

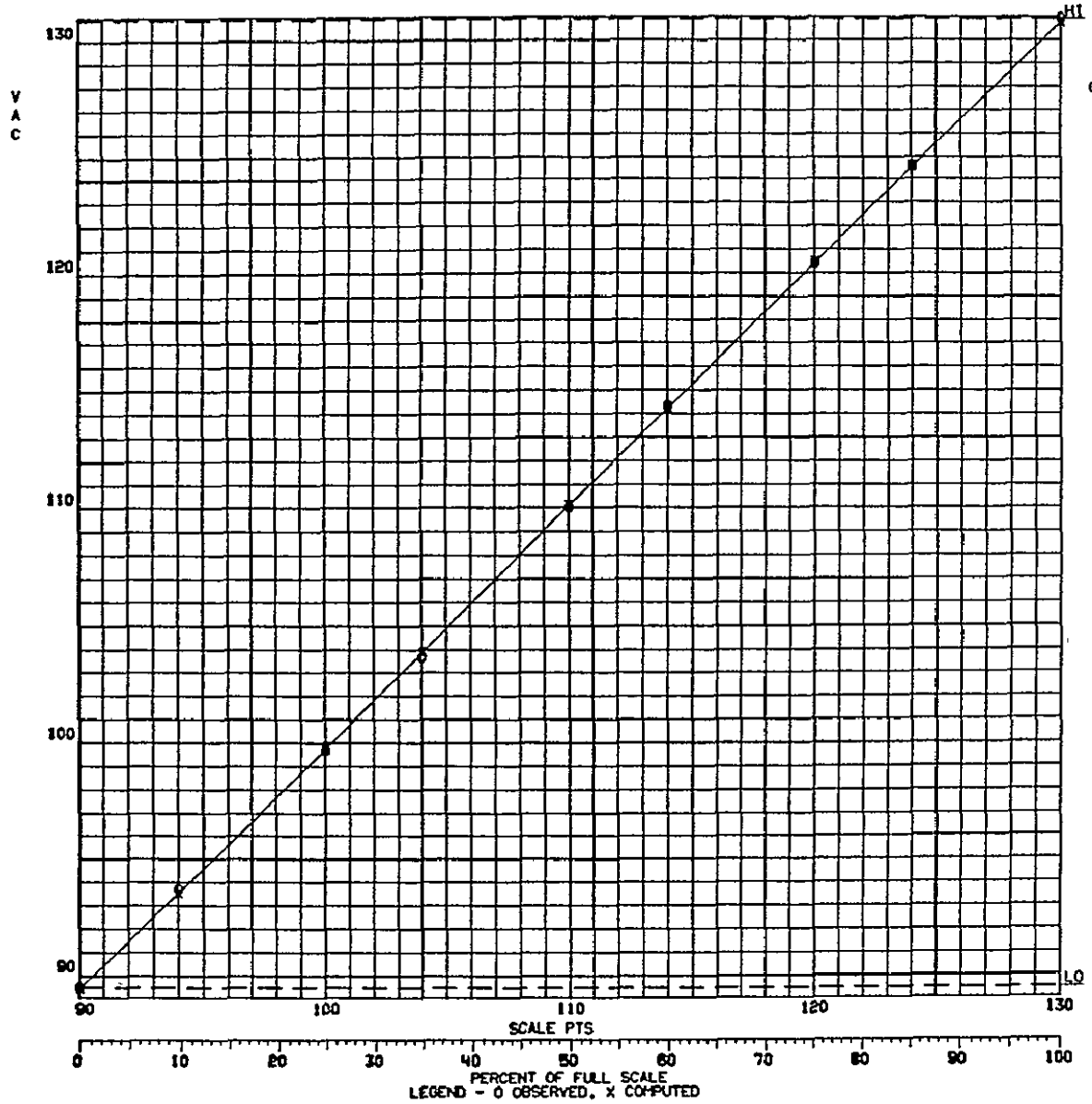
HARDWARE CALIB. NO
77846- 1

SERIAL NO
097602207119

0459-77-03
0000 0277

AC VOLTAGE MAIN BUS 1 PHASE B
INSTALLATION DATE OCT. 1,1969

RANGE
89.50
TO
130 9



EQUATION
COEFFICIENTS
A_0=-3 671E 00
A_1= 1.034E 00

SIGMA=.11153
$\frac{SIGMA}{RANGE}$= 00269

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C C0201V- 1-0

LOADING NO.
M11P3

MINIMUM
LOADING NO

06/29/71
1 . 0

AC VOLTAGE MAIN BUS 1 PHASE C
INSTALLATION DATE OCT. 1.1969

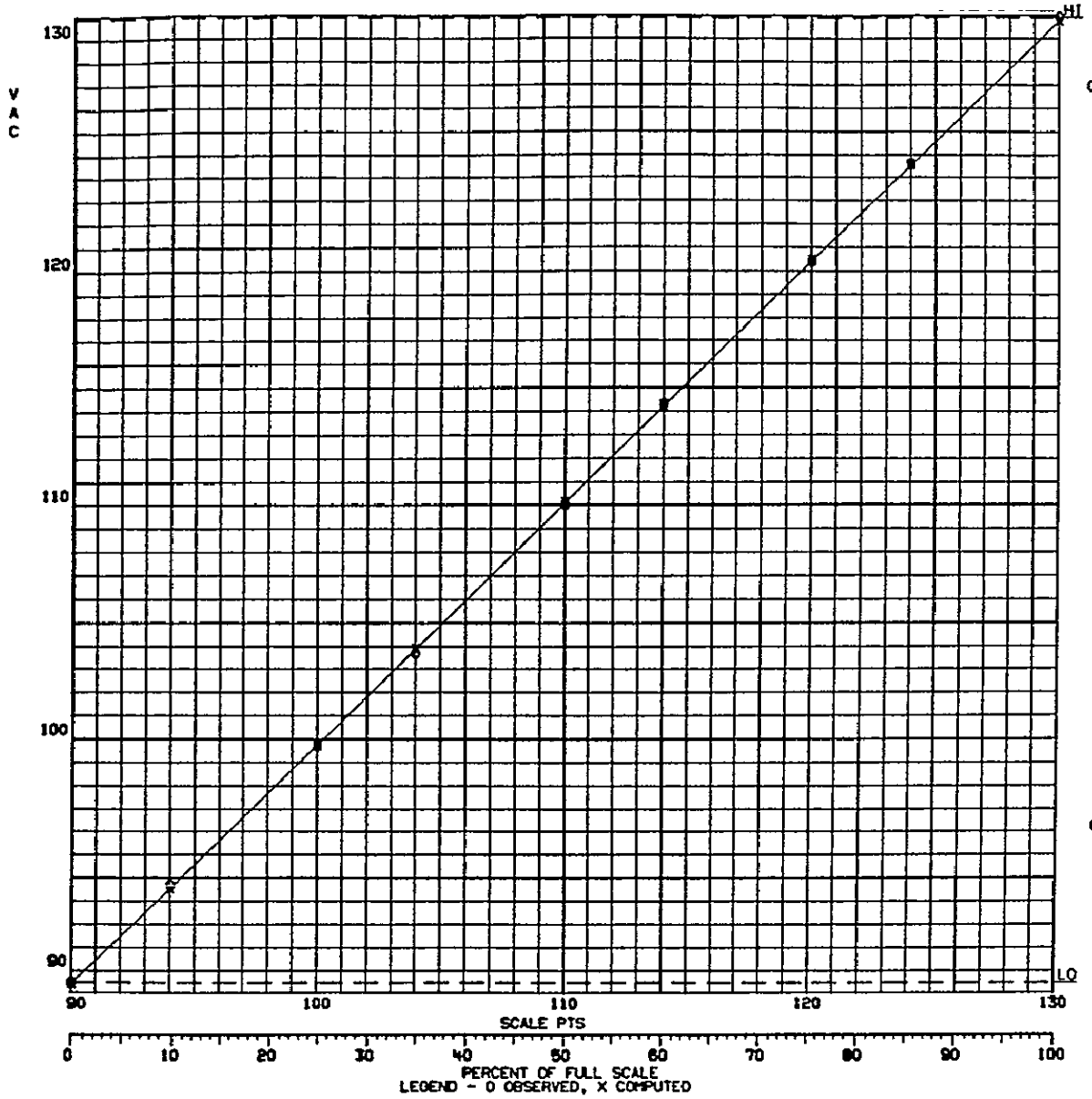
SC-113

HARDWARE CALIB NO. 77846- 1

SERIAL NO. 097602207119

0459-77-03
0000 0278

RANGE
89.50
TO
130.9



EQUATION COEFFICIENTS

A_0=-3 671E 00
A_1= 1.034E 00

SIGMA=.11153

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00269

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0202V- 1-0

LOADING NO.
M11P3

MINIMUM LOADING NO

06/29/71
1 , 0

SC-113

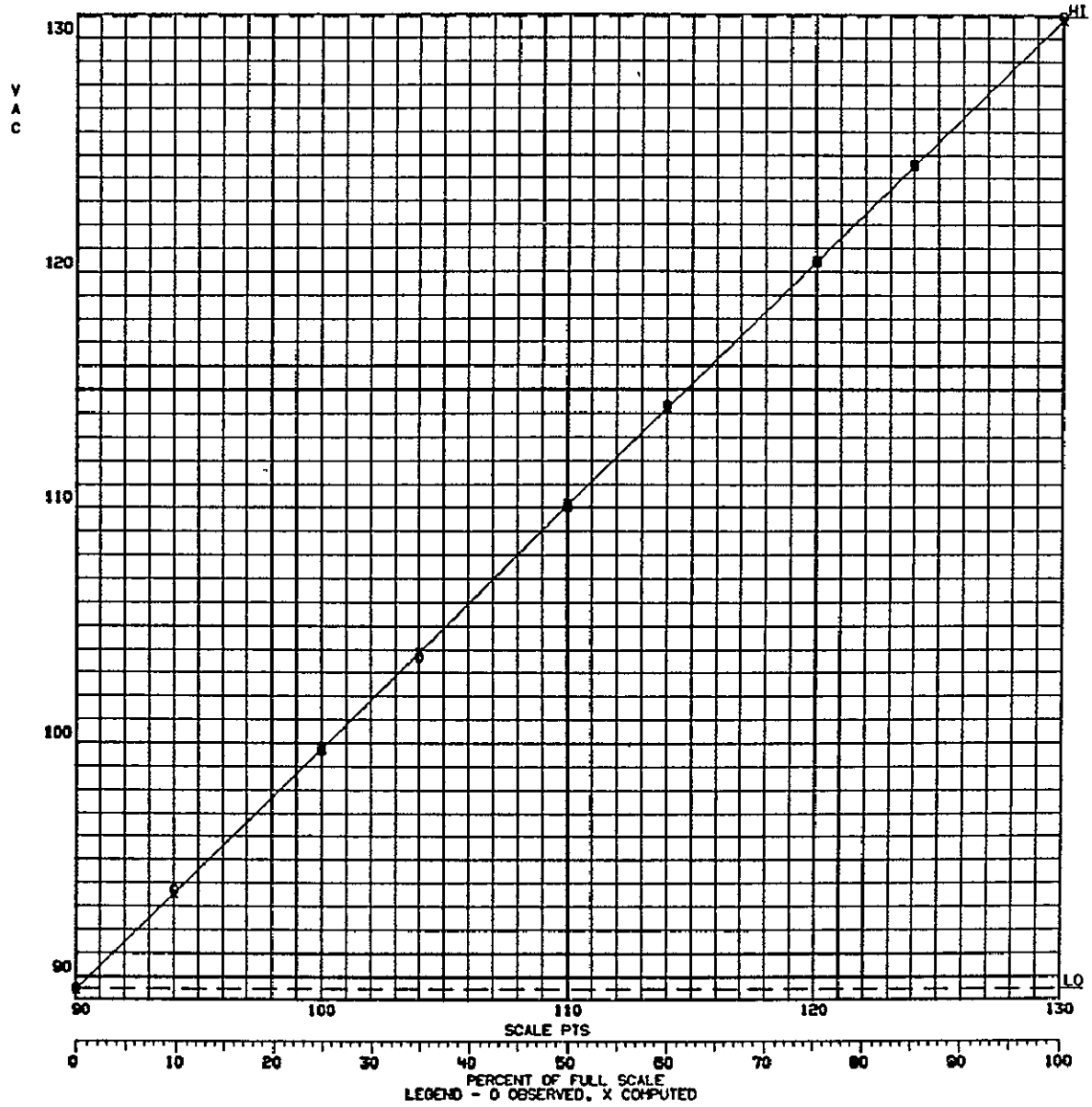
AC VOLTAGE MAIN BUS 2 PHASE A
INSTALLATION DATE OCT 1,1969

HARDWARE CALIB. NO. 77948- 1

SERIAL NO. 097602207119

0459-77-03
0000 0279

RANGE
89.50
TO
130 9



EQUATION COEFFICIENTS

A_0=-3.671E 00
A_1= 1.034E 00

SIGMA=.11153

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00269

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0203V- 1-0

LOADING NO.
M11P3

MINIMUM LOADING NO.

06/29/71
1 . 0

AC VOLTAGE MAIN BUS 2 PHASE B
INSTALLATION DATE OCT. 1,1969

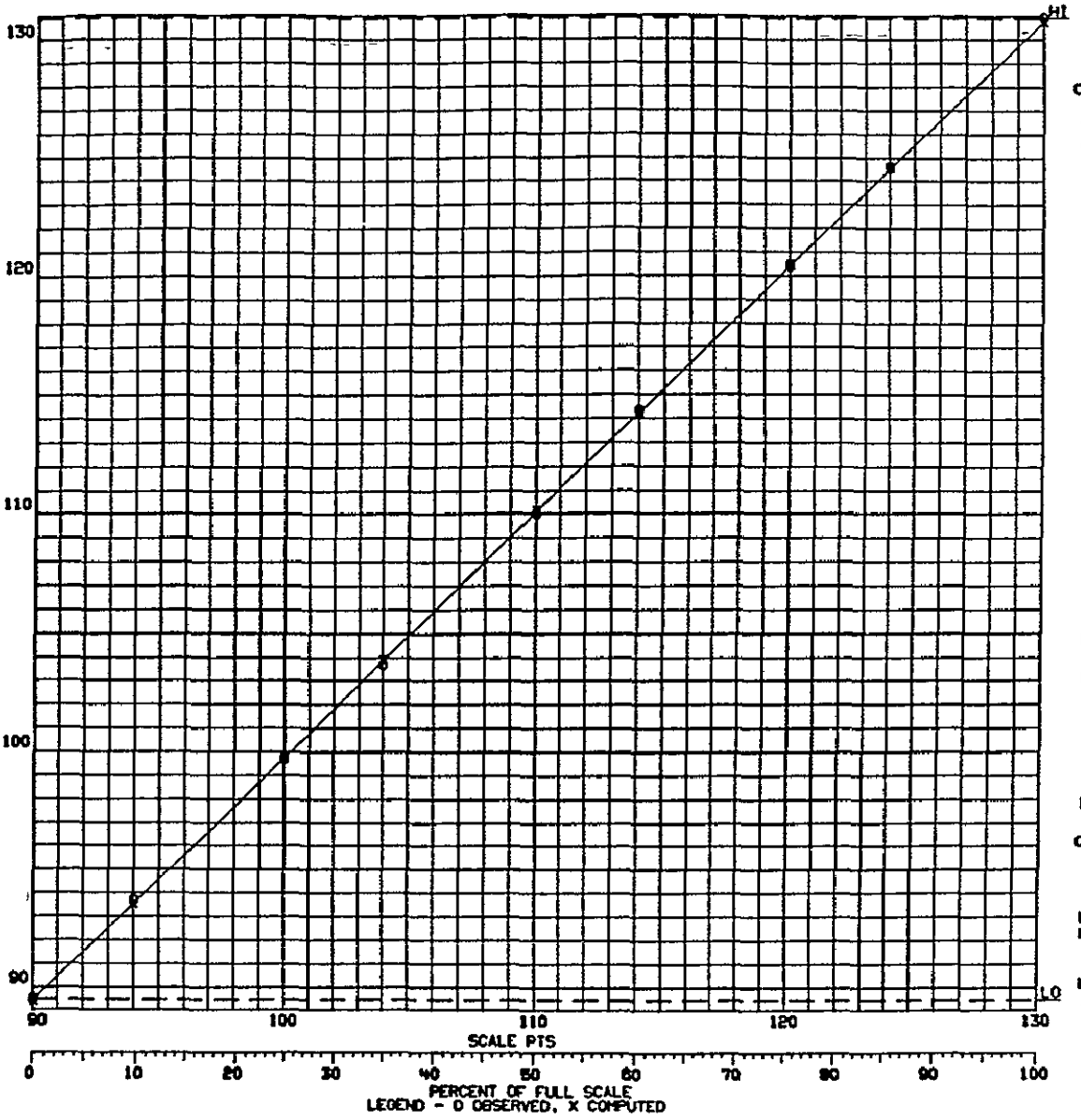
SC-113

HARDWARE CALIB. NO. 77846- 1

SERIAL NO. 097602207119

0459-7/-0.3
0000 0280

RANGE
89 50
TO
130.9



EQUATION COEFFICIENTS

A_0=-3.671E 00
A_1= 1.034E 00

SIGMA=.11153

$\frac{SIGMA}{RANGE}$=.00269

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0204V- 1-0

LOADING NO.
M11P3

MINIMUM LOADING NO.

06/29/71
1 . 0

SC-113

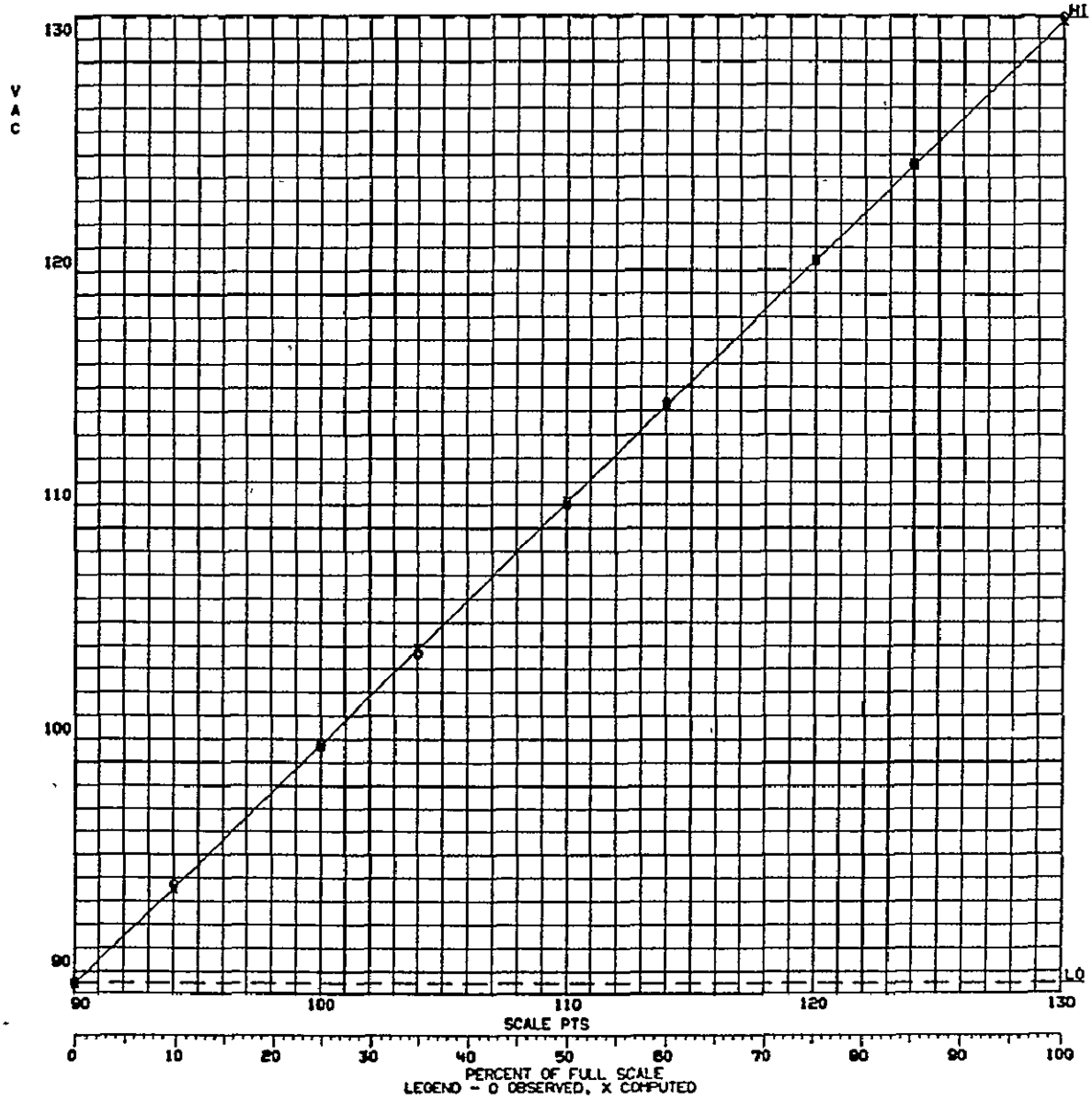
0459-77-03
0000 0281

AC VOLTAGE MAIN BUS 2 PHASE C
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO. 77846- 1

SERIAL NO 0976022071 19

RANGE
89.50
TO
130.9



EQUATION COEFFICIENTS
A_0=-3.671E 00
A_1= 1.034E 00

SIGMA= 11153
$\frac{SIGMA}{RANGE}$=.00269

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0205V- 1-0

LOADING NO.
M11P3

MINIMUM LOADING NO

06/29/71
5 . 0

DC VOLTAGE MAIN BUS A
INSTALLATION DATE OCT. 1,1969

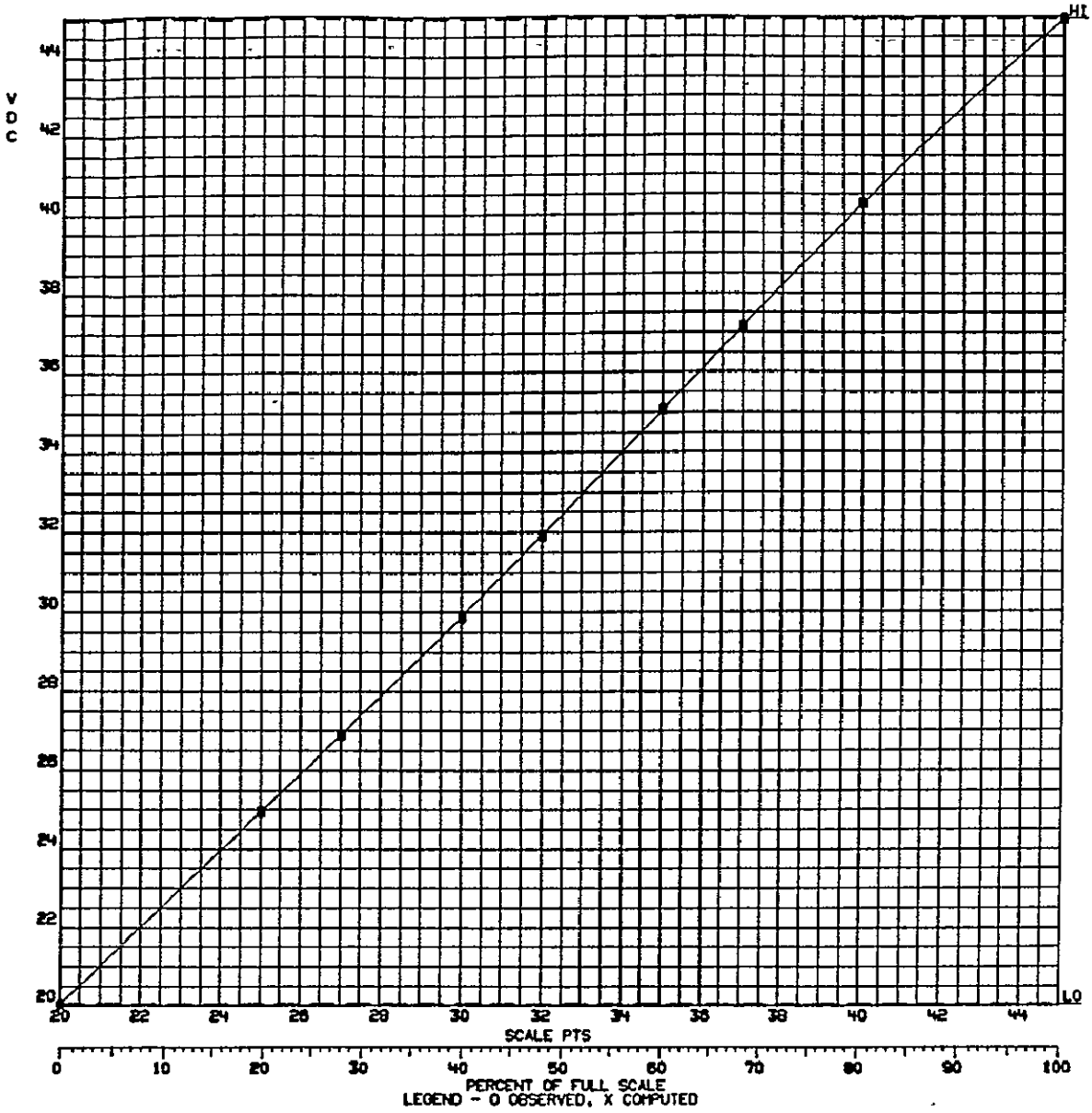
SC-113

HARDWARE CALIB. NO. 77841- 1

SERIAL NO. 097602206122

0459-77-03
0000 0282

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3.429E 00
A_2=-1.309E-01
A_3= 3.817E-03
A_4=-2.512E-05

SIGMA=.02206

$\frac{SIGMA}{RANGE}$=.00068

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0206V- 1-0

LOADING NO.
M10P3

MINIMUM LOADING NO.

06/29/71
5 , 0

DC VOLTAGE MAIN BUS B
INSTALLATION DATE OCT. 1,1969

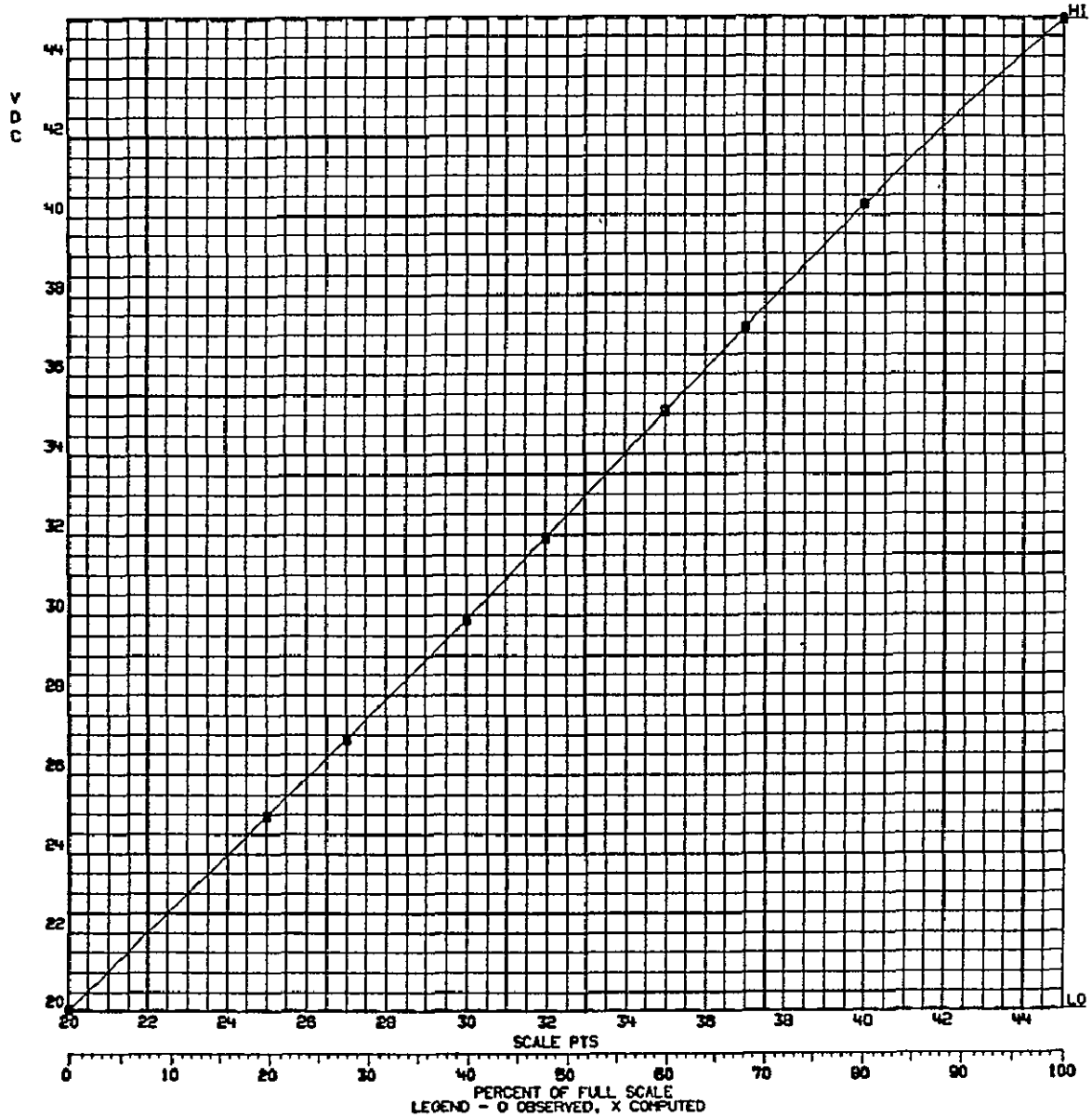
SC-113

HARDWARE CALIB NO. 77841- 1

SERIAL NO. 097602206122

0459-77-03
0000 0283

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1 634E 01
A_1= 3 429E 00
A_2=-1.309E-01
A_3= 3.017E-03
A_4=-2.512E-05

SIGMA=.02206

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00098

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0207V- 1-0

LOADING NO.
M10P3

MINIMUM LOADING NO.

06/29/71
5 . 0

DC VOLTAGE BATTERY BUS A
INSTALLATION DATE OCT. 1.1969

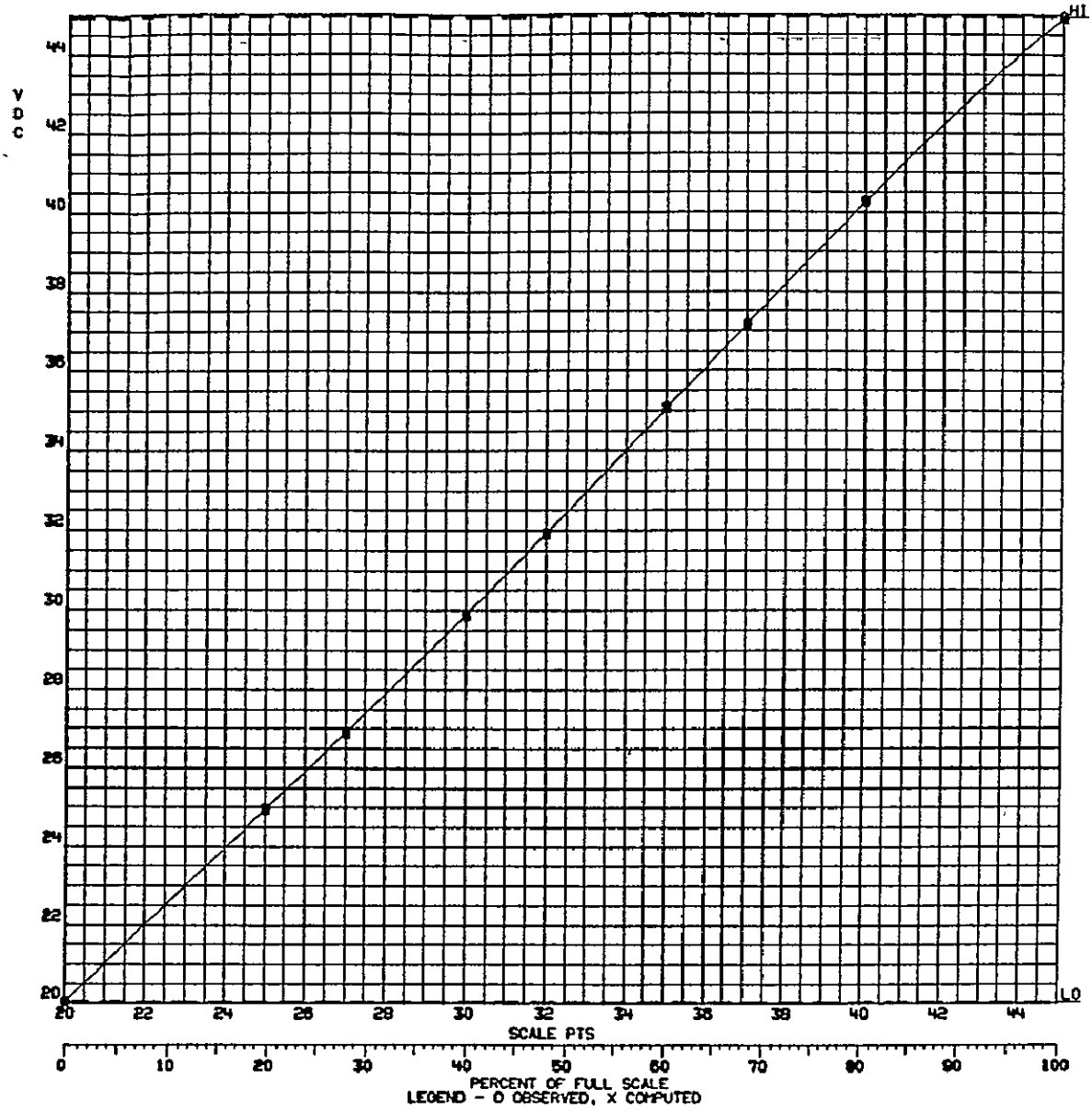
SC-113

HARDWARE CALIB. NO. 77941- 1

SERIAL NO. 097602206122

0459-77-03
0000 0294

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3 429E 00
A_2=-1.309E-01
A_3= 3.017E-03
A_4=-2.512E-05

SIGMA= 02206

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00088

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0210V- 1-0

LOADING NO
M10P3

MINIMUM LOADING NO.

06/29/71
5 . 0

SC-113

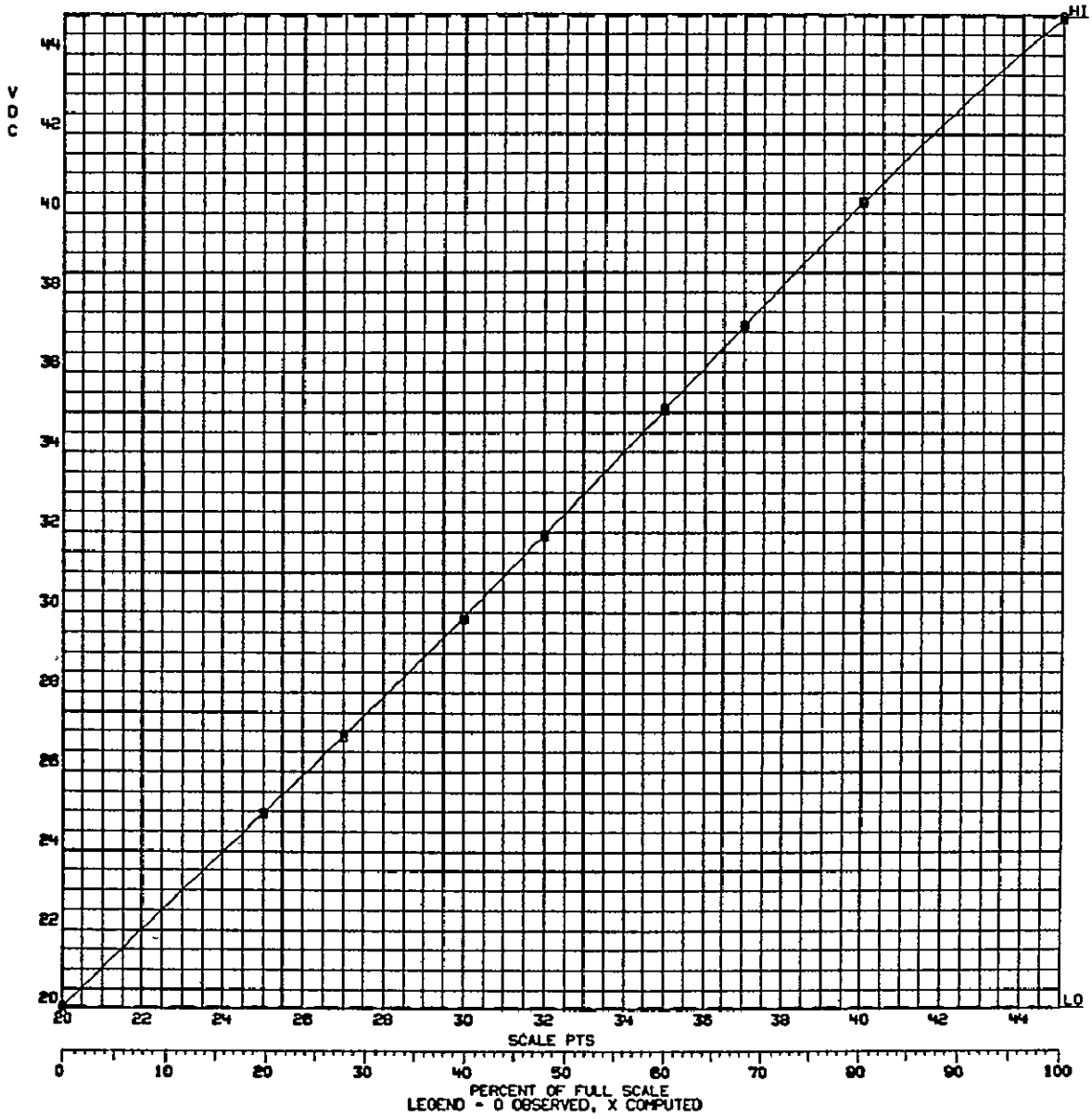
DC VOLTAGE BATTERY BUS B
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB NO. 77841- 1

SERIAL NO. 0976022061122

0459-77-03
0000 0285

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3.429E 00
A_2=-1.309E-01
A_3= 3 017E-03
A_4=-2 512E-05

SIGMA=.02206

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00098

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C021 V- 1-0

LOADING NO.
M10P3

MINIMUM LOADING NO

06/29/71
5 , 0

DC VOLTAGE BATTERY C
INSTALLATION DATE OCT. 1,1969

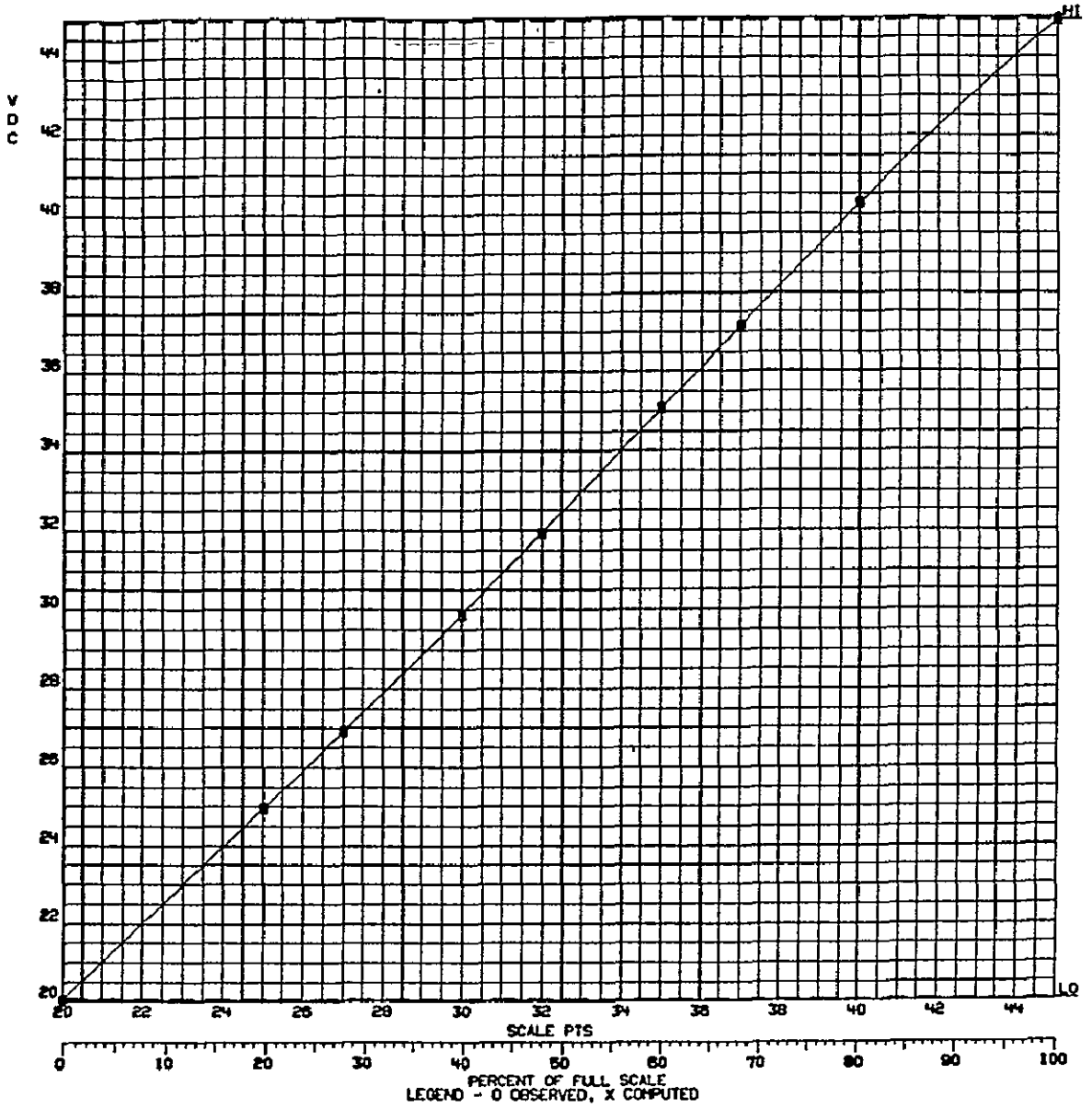
SC-113

HARDWARE CALIB. NO. 77941- 1

SERIAL NO. 0976022061122

0459-77-03
0000 0286

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3.429E 00
A_2=-1.309E-01
A_3= 3.017E-03
A_4=-2 512E-05

SIGMA=.02206

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00088

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0212V- 1-0

LOADING NO.
M10P3

MINIMUM LOADING NO.

06/29/71
5 . 0

SC-113

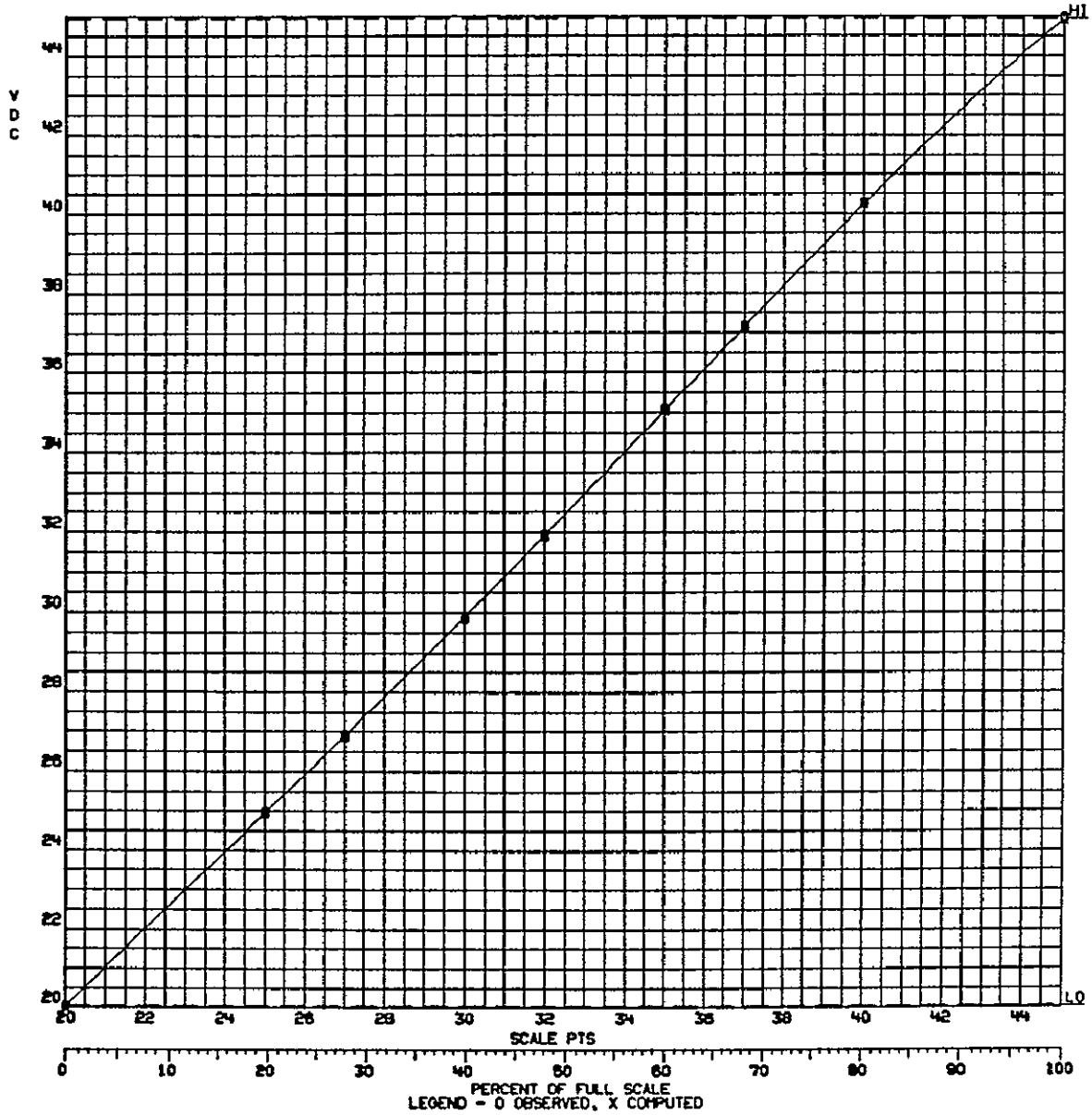
DC VOLTAGE BATT CHARGER OUT
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO
77941- 1

SERIAL NO.
097602206122

0459-77-03
0000 0287

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3.429E 00
A_2=-1.309E-01
A_3= 3.017E-03
A_4=-2.512E-05

SIGMA=.02206

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00088

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0214V- 1-0

LOADING NO.
M10P3

MINIMUM LOADING NO.

06/29/71
1 . 0

DC CURRENT BATT CHARGER OUT

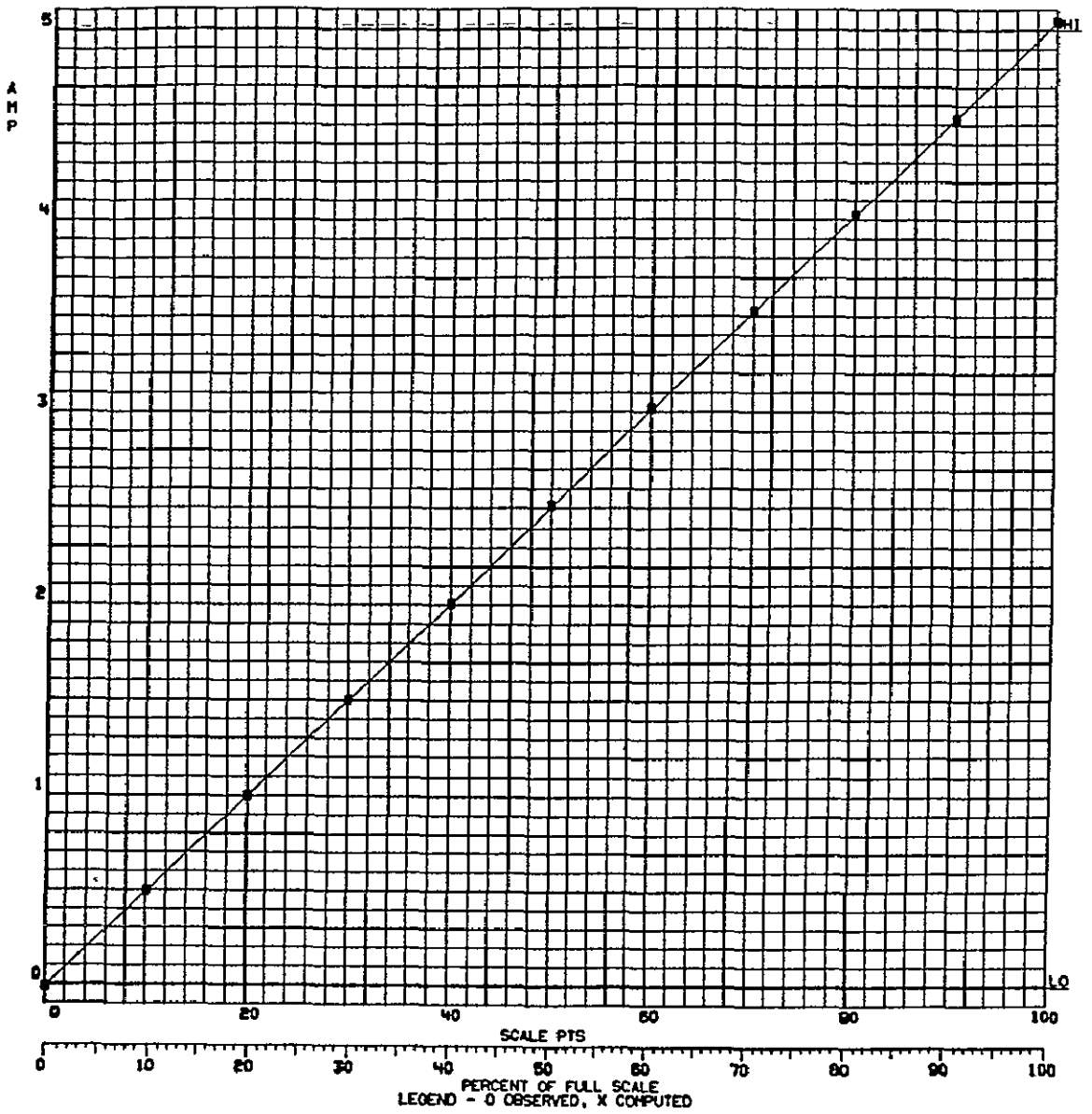
INSTALLATION DATE MAY. 15,1969

SC-113

HARDWARE CALIB. NO. | SERIAL NO
75729- 1 | N/A
77840- 1 | 097602208117

0459-77-03
0000 0288

RANGE
0.0
TO
5 000



EQUATION COEFFICIENTS

A_0=-1 205E-02
A_1= 5.050E-02

SIGMA= 00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0215C- 1-0

LOADING NO.
M9P3

MINIMUM LOADING NO

06/29/71
1 . 0

DC CURRENT BATTERY A

INSTALLATION DATE MAY. 15,1969

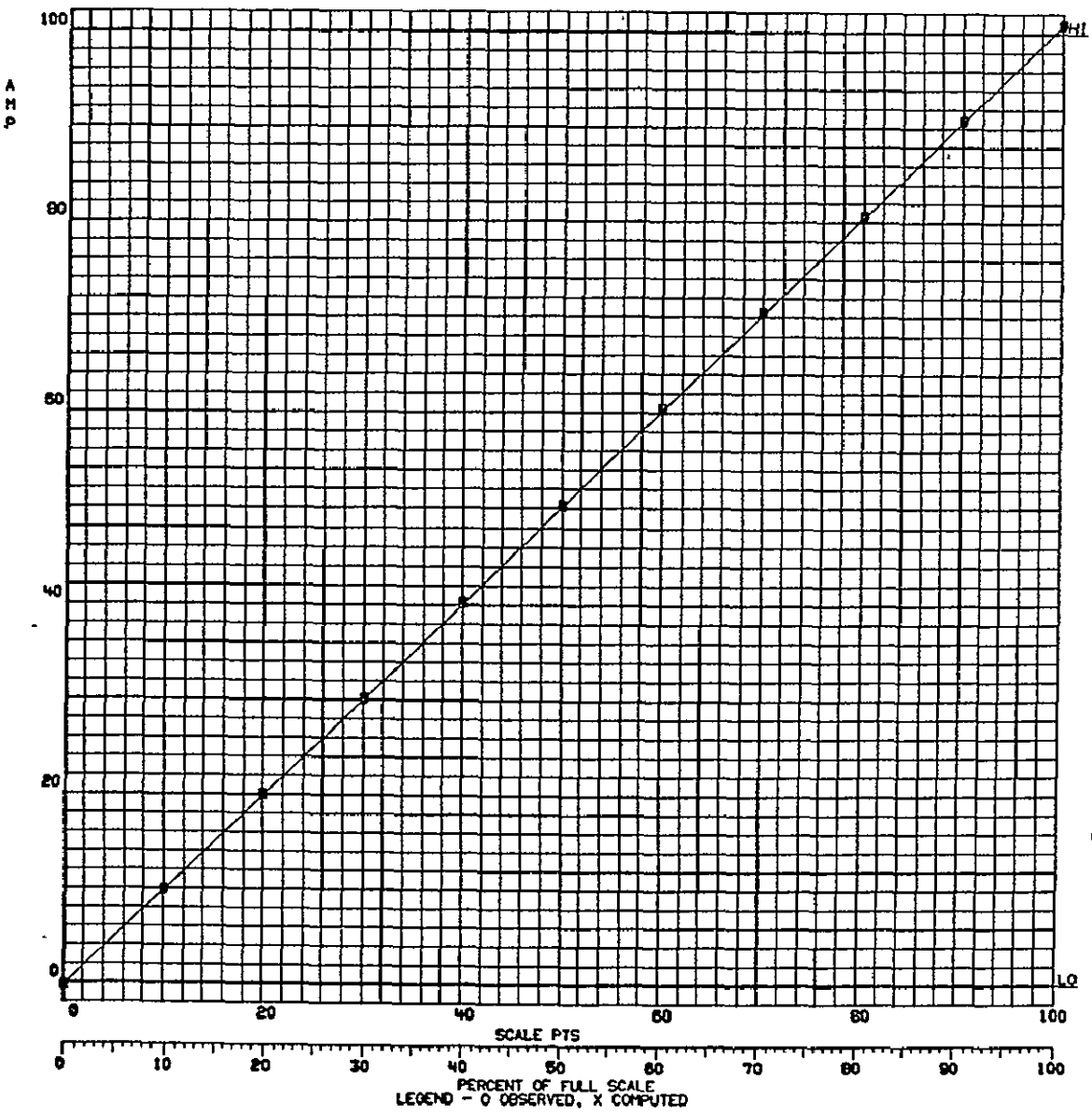
SC-113

HARDWARE CALIB NO
75730- 1
77840- 1

SERIAL NO.
N/A
097602208117

0459-77-03
0000 0289

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-2.410E-01

A_1= 1.010E 00

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0222C- I-0

LOADING NO.
MSP3

MINIMUM LOADING NO

06/29/71
1 . 0

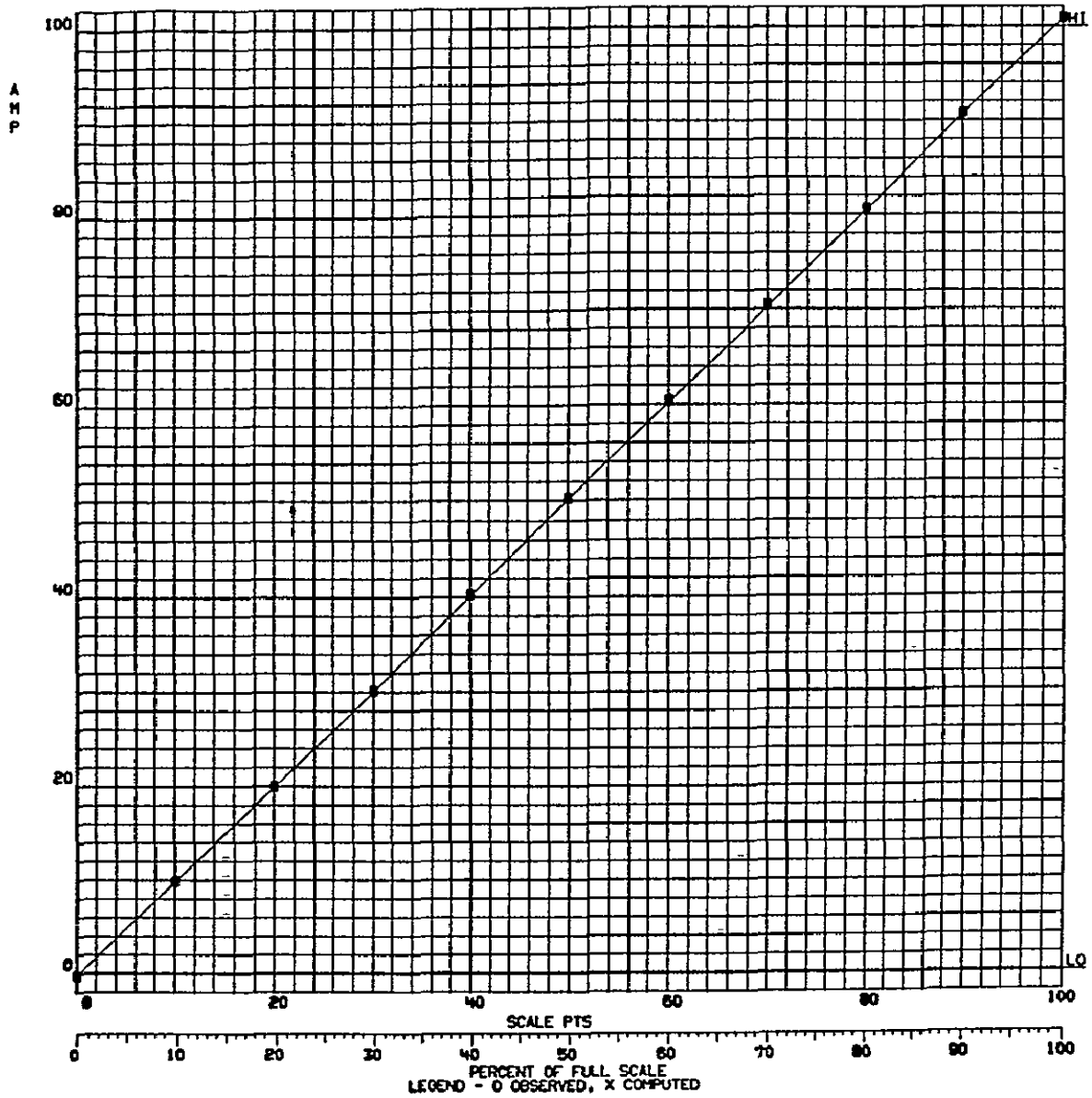
DC CURRENT BATTERY B
INSTALLATION DATE MAY. 15,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75731- 1	N/A
77840- 1	097602208117

0459-77-03
0000 0290

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS
A_0=-2 410E-01
A_1= 1.010E 00

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0223C- 1-0

LOADING NO
M2P3

MINIMUM LOADING NO.

06/29/71
1 , 0

DC CURRENT BATTERY C
INSTALLATION DATE MAY. 15,1969

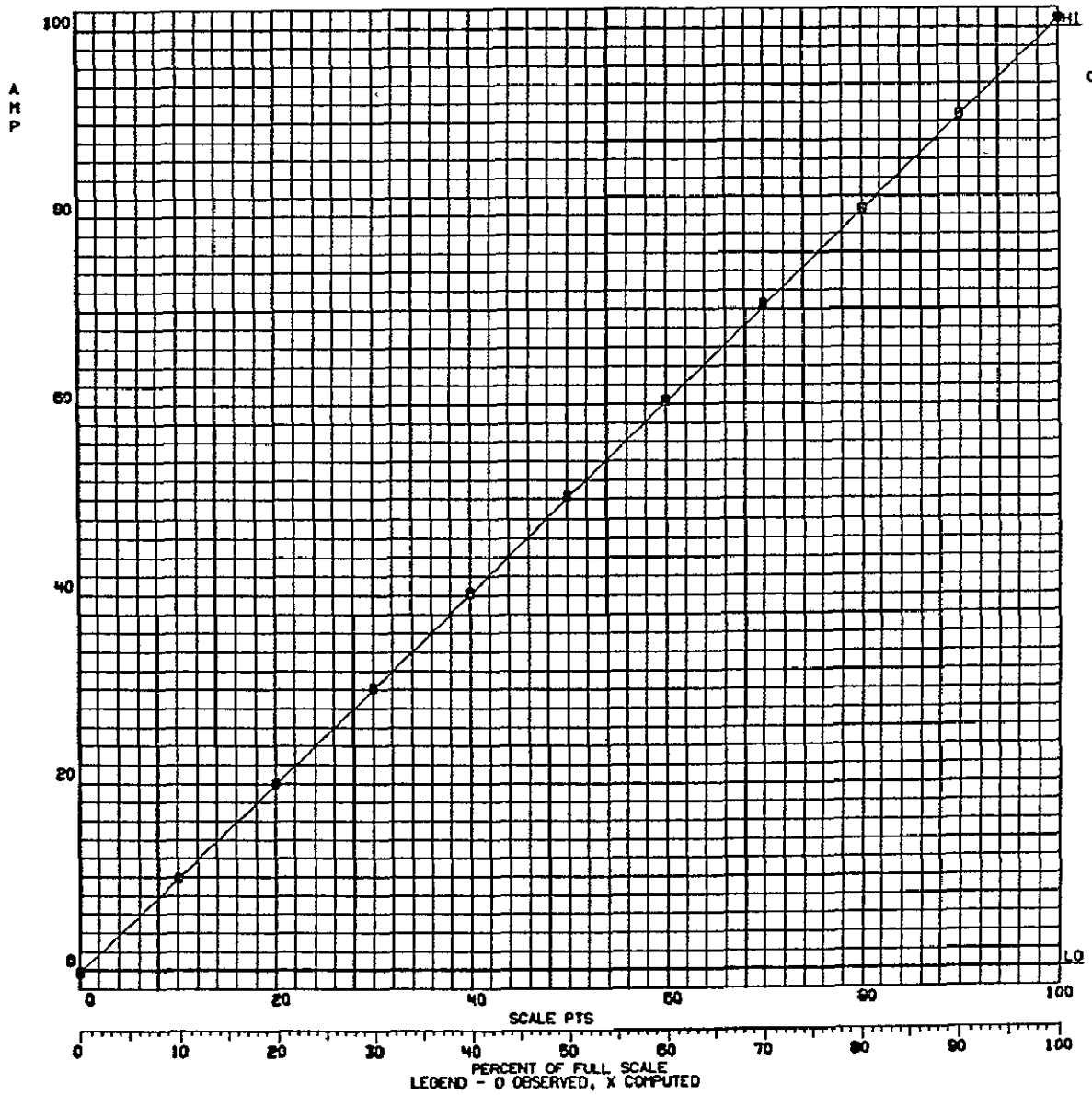
SC-113

HARDWARE CALIB. NO
75732- 1
77840- 1

SERIAL NO.
N/A
097602208117

0459-77-03
0000 0291

RANGE
0.0
TO
100 0



EQUATION COEFFICIENTS
A_0=-2.410E-01
A_1= 1.010E 00

SIGMA=.00000
$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0224C- 1-0

LOADING NO.
MSP3

MINIMUM LOADING NO.

7 017

12-19

06/29/71
5 . 0

DC VOLTAGE PYRO BATT A

INSTALLATION DATE OCT. 1.1969

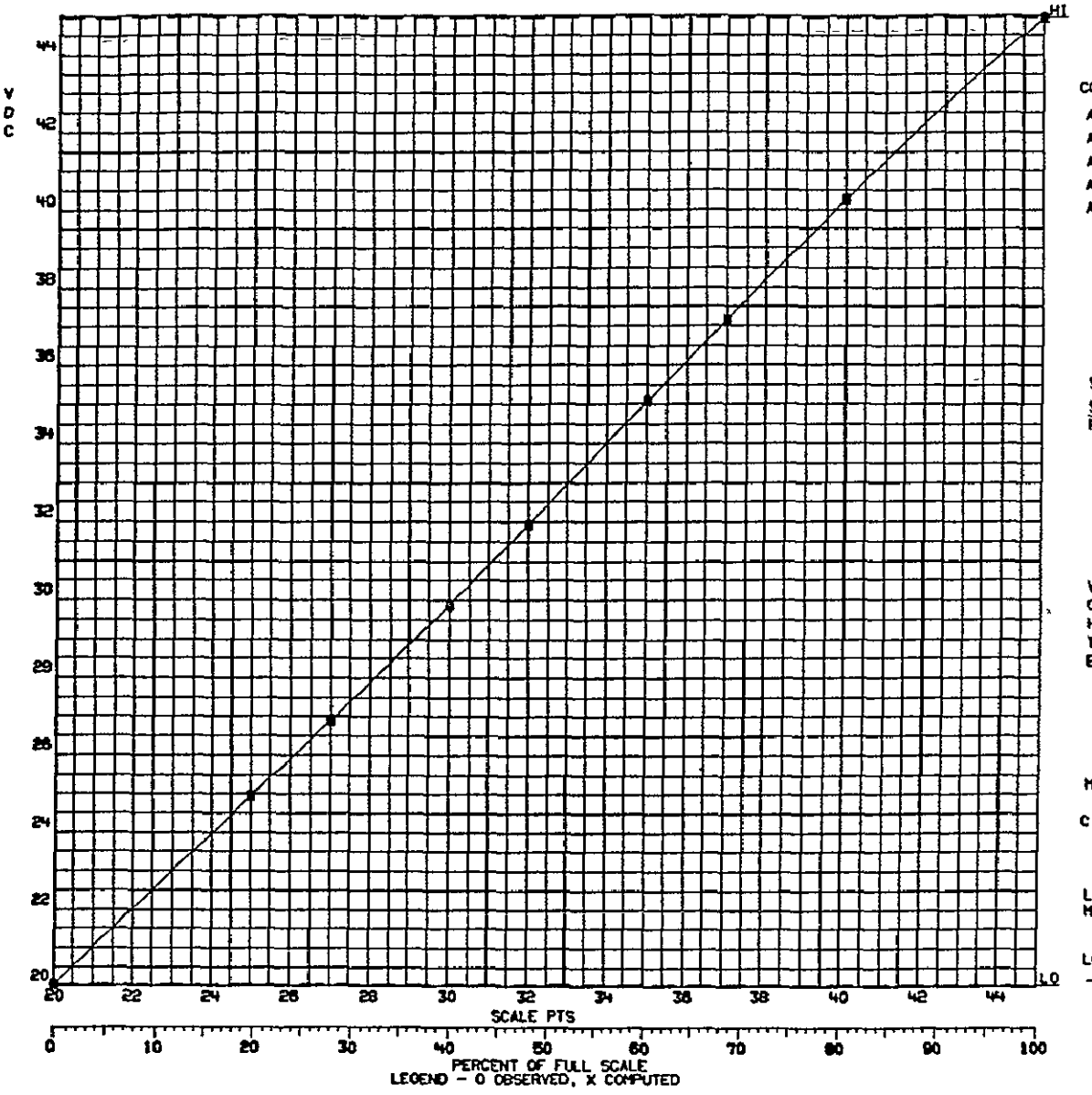
SC-113

HARDWARE CALIB. NO. 77841- 1

SERIAL NO. 097602206122

0459-77-03
0000 0292

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3 429E 00
A_2=-1.309E-01
A_3= 3.017E-03
A_4=-2.512E-05

SIGMA=.02206

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00088

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0227V- 1-0

LOADING NO.
H10P3

MINIMUM LOADING NO.

06/29/71
5 , 0

DC VOLTAGE PYRO BATT B
INSTALLATION DATE OCT. 1,1969

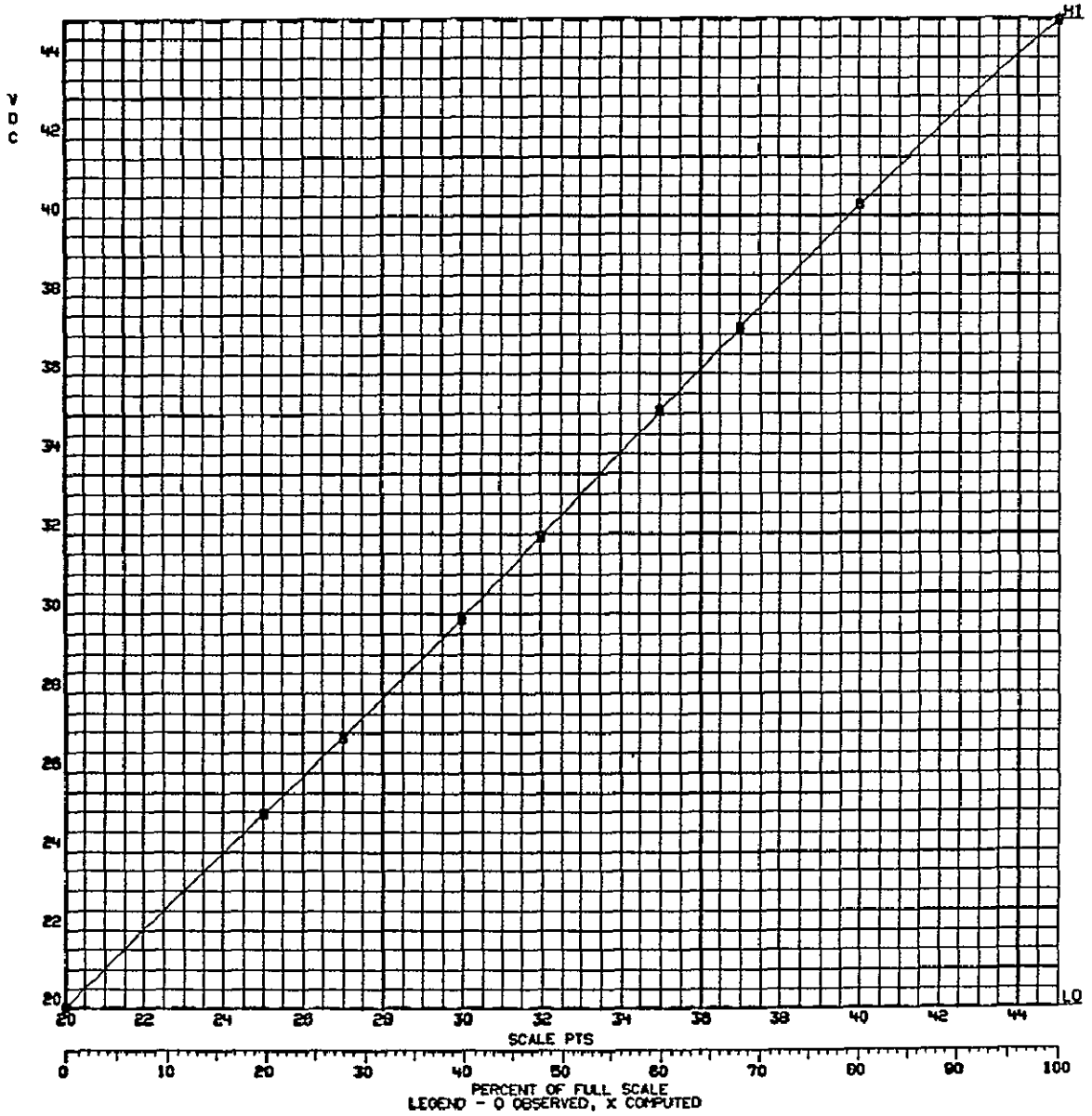
SC-113

HARDWARE CALIB. NO. 77841- 1

SERIAL NO 097602206122

0459-77-03
0000 0293

RANGE
20.03
TO
44.95



EQUATION COEFFICIENTS

A_0=-1.634E 01
A_1= 3.429E 00
A_2=-1 309E-01
A_3= 3.017E-03
A_4=-2.512E-05

SIGMA=.02206

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00068

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0228V- 1-0

LOADING NO.
MIDP3

MINIMUM LOADING NO.

06/29/71
5 . 0

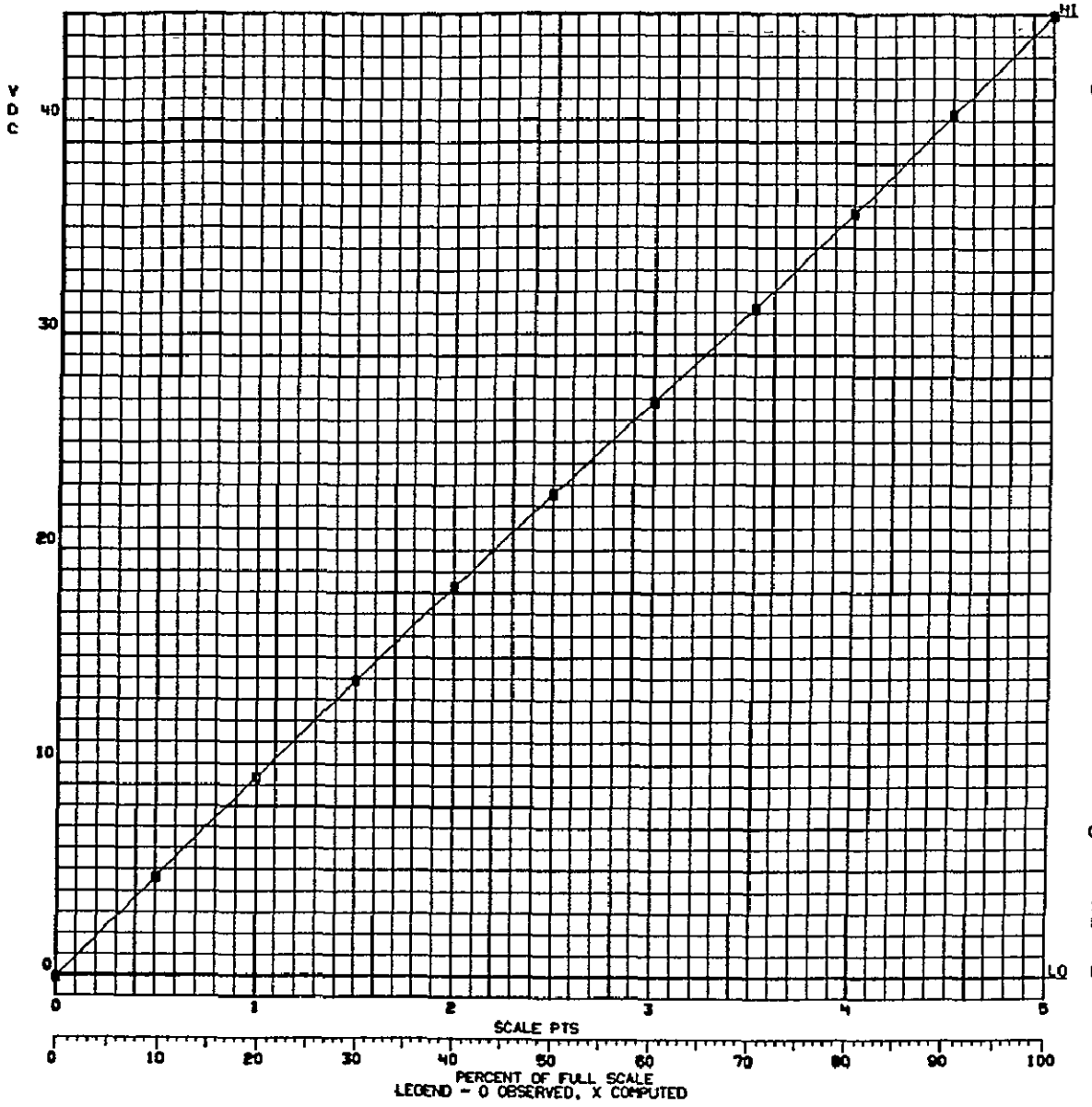
VOLTAGE BATTERY RELAY BUS
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81433- 1	03745075P209
04865- 1	097602221110

0459-77-03
0000 0294

RANGE
0.0
TO
44.97



EQUATION COEFFICIENTS

A_0=-7.811E-02
A_1= 9.321E 00
A_2= 3 891E-01
A_3=-4.073E-01
A_4= 1.039E-01
A_5=-8.117E-03

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C0232V- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO

06/29/71
5 . 0

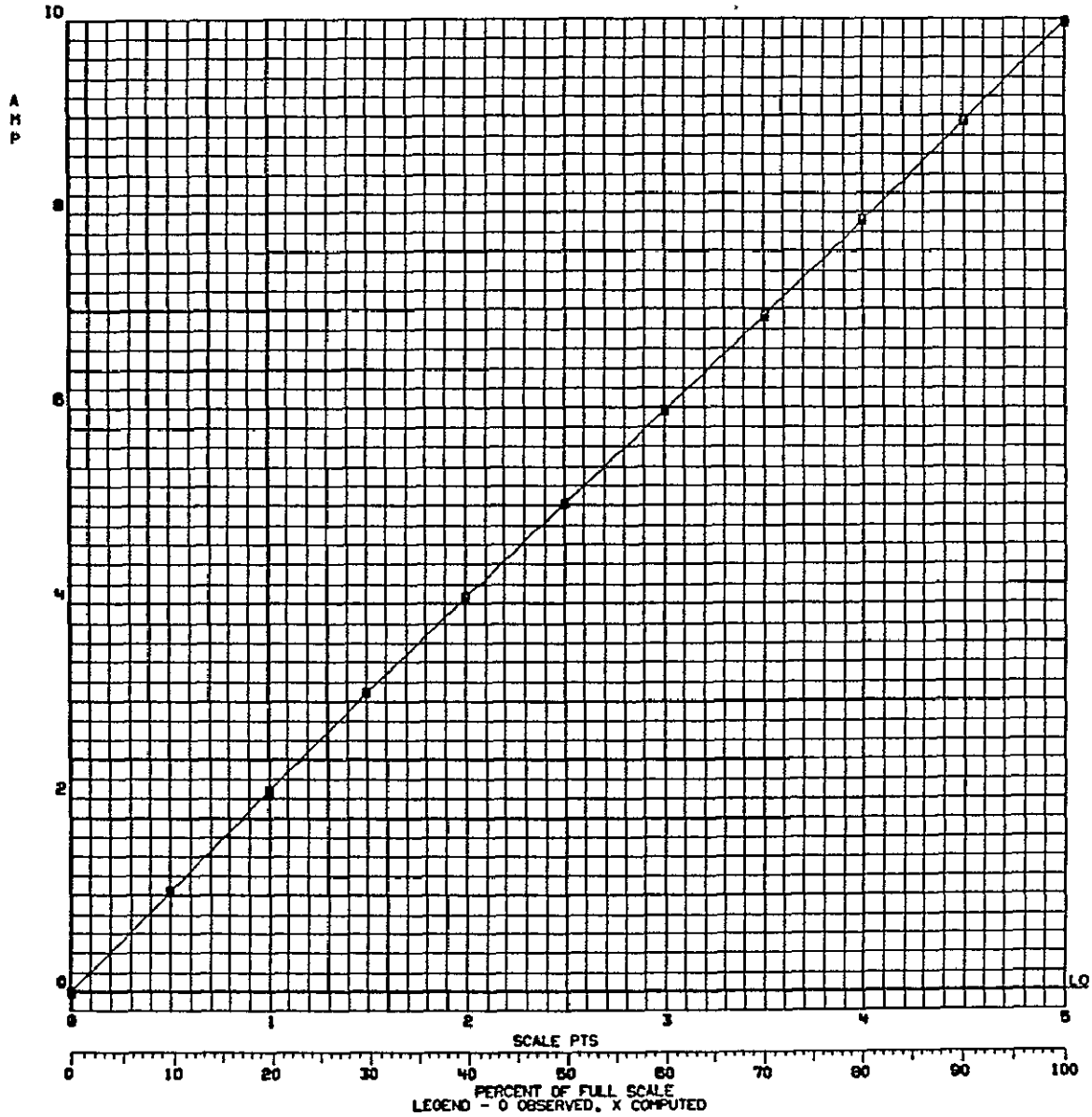
SC-113

CSM TO LEM CURRENT MONITOR
INSTALLATION DATE OCT 1.1969

HARDWARE CALIB NO.	SERIAL NO.
75736- 1	N/A
81443- 1	099781112118
04865- 1	097602221110

0459-77-03
0000 0319

RANGE
0.0
TO
10.00



EQUATION COEFFICIENTS

A_0=-1.059E-02
A_1= 2.069E 00
A_2= 8.638E-02
A_3=-9 042E-02
A_4= 2.306E-02
A_5=-1.802E-03

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C C2962C- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

06/29/71
5 . 0

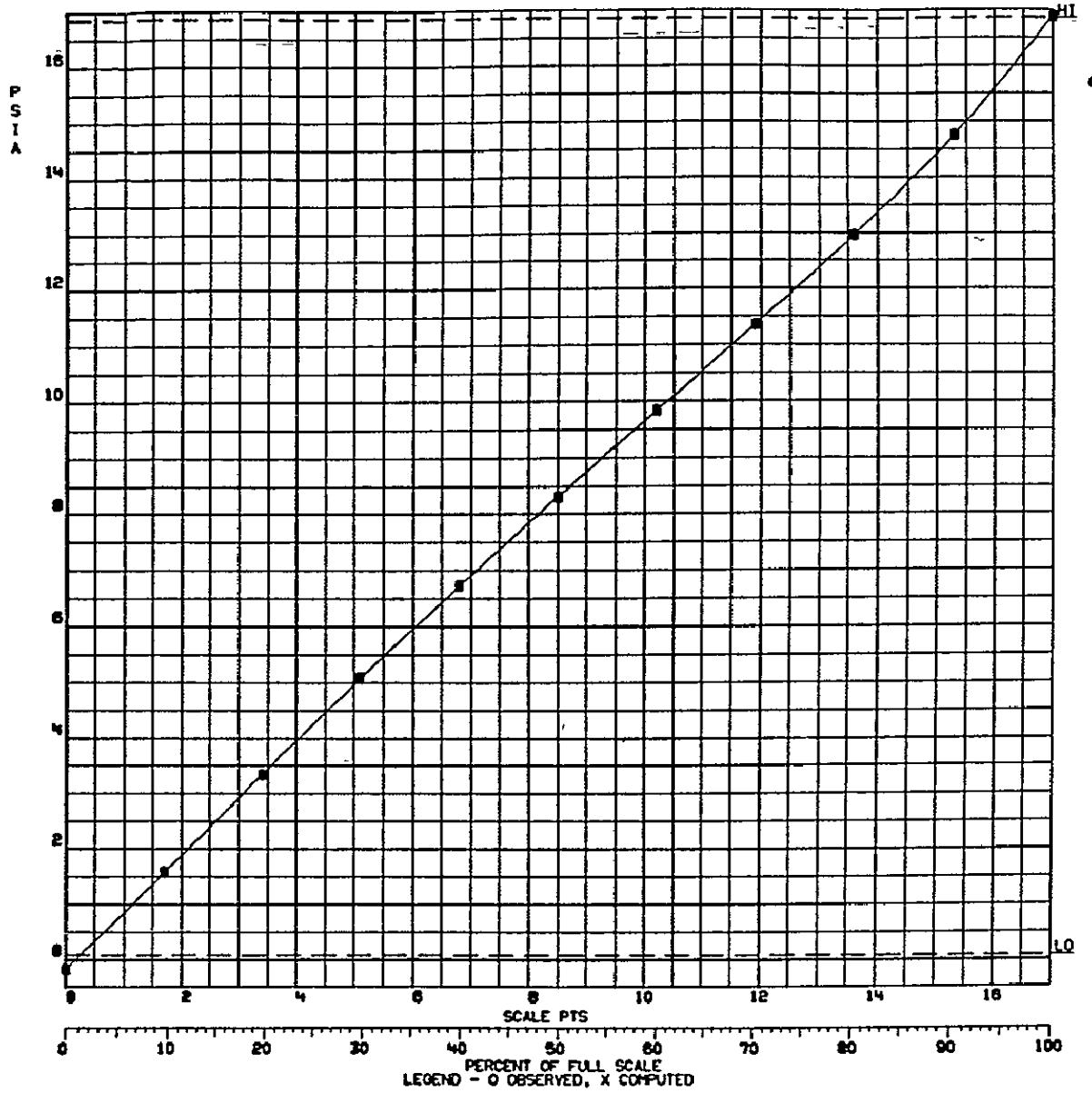
SC-113

PRESSURE CABIN
INSTALLATION DATE JAN. 13,1971

HARDWARE CALIB. NO.	SERIAL NO.
78537- 1	004000050025
81054- 1	097603814115

0459-77-0.5
0000 0320

RANGE
.0700
TO
16.87



EQUATION COEFFICIENTS

A_0=-1.717E-01
A_1= 1.003E 00
A_2= 1.931E-02
A_3=-3.585E-03
A_4= 1.442E-04

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0001P- 1-0

LOADING NO.
M14P2

MINIMUM LOADING NO.

06/29/71
5 . 0

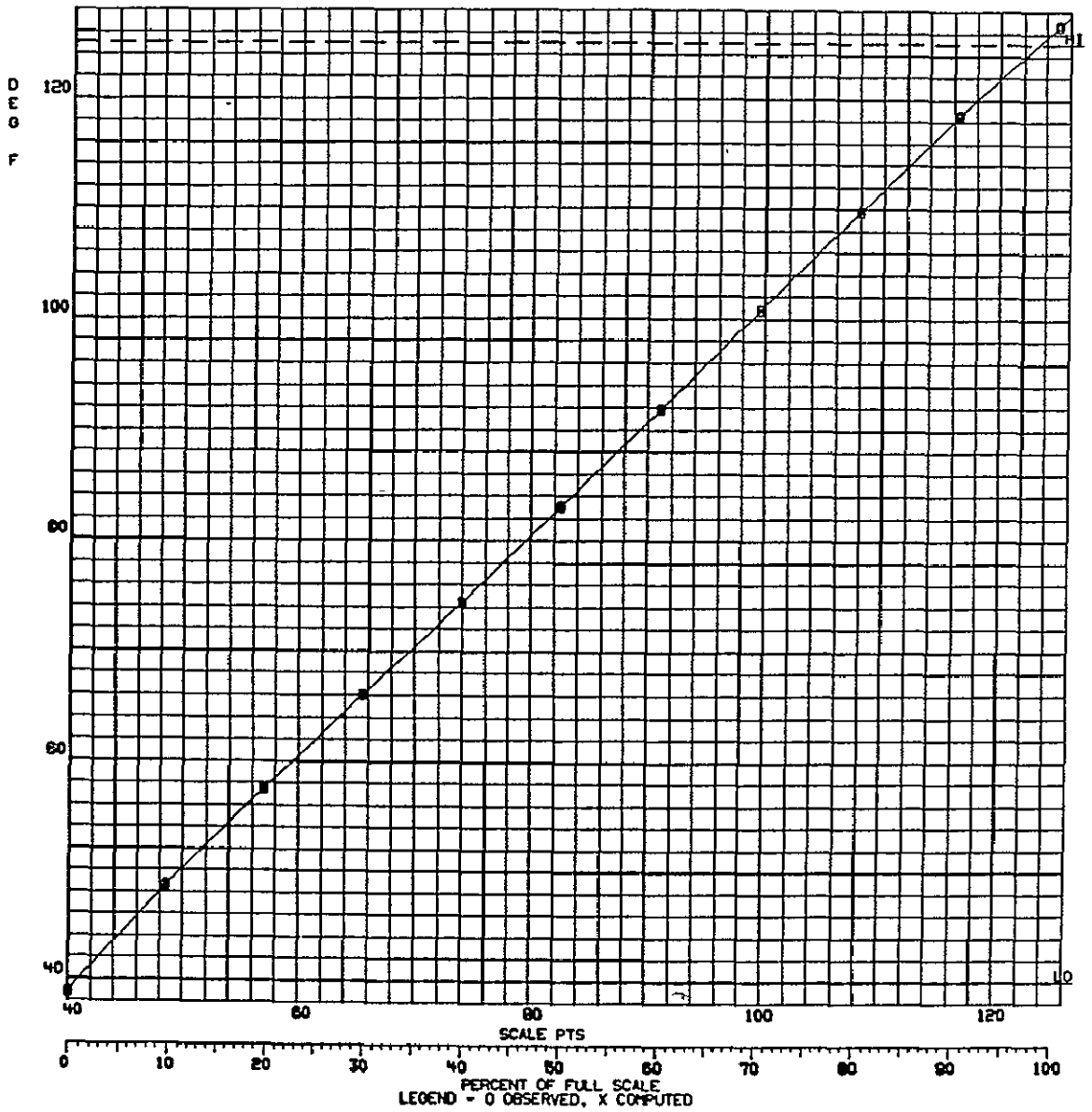
SC-113

TEMP CABIN
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO
76837- 1	004000108134
80475- 1	097603828112

0459-77-03[illegible]
0000 0321

RANGE
40 00
TO
125 0



EQUATION COEFFICIENTS

A_0=-3 856E 01
A_1= 3 043E 00
A_2=-3 900E-02
A_3= 3 205E-04
A_4=-9 494E-07

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0002T- 1-0

LOADING NO.
M13P2

MINIMUM LOADING NO

06/29/71
1.0

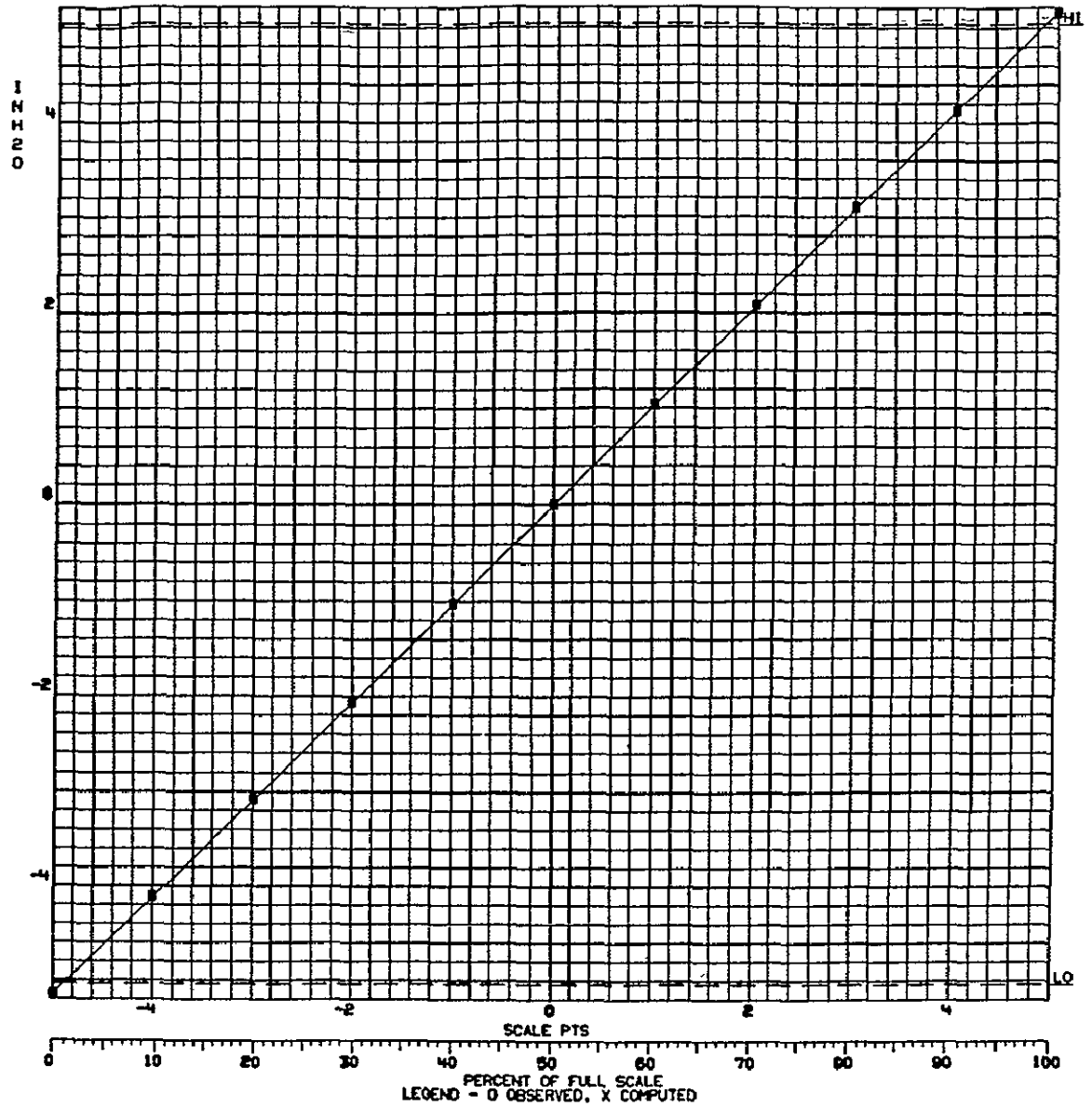
PRESS 02 SUIT TO CABIN DIFF
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
44438- 2	1024001549SS
77794- 1	097602440117

0459-77-03
0000 0322

RANGE
-5.030
TO
5.030



EQUATION
COEFFICIENTS
A_0= 6.965E-03
A_1= 1.030E 00

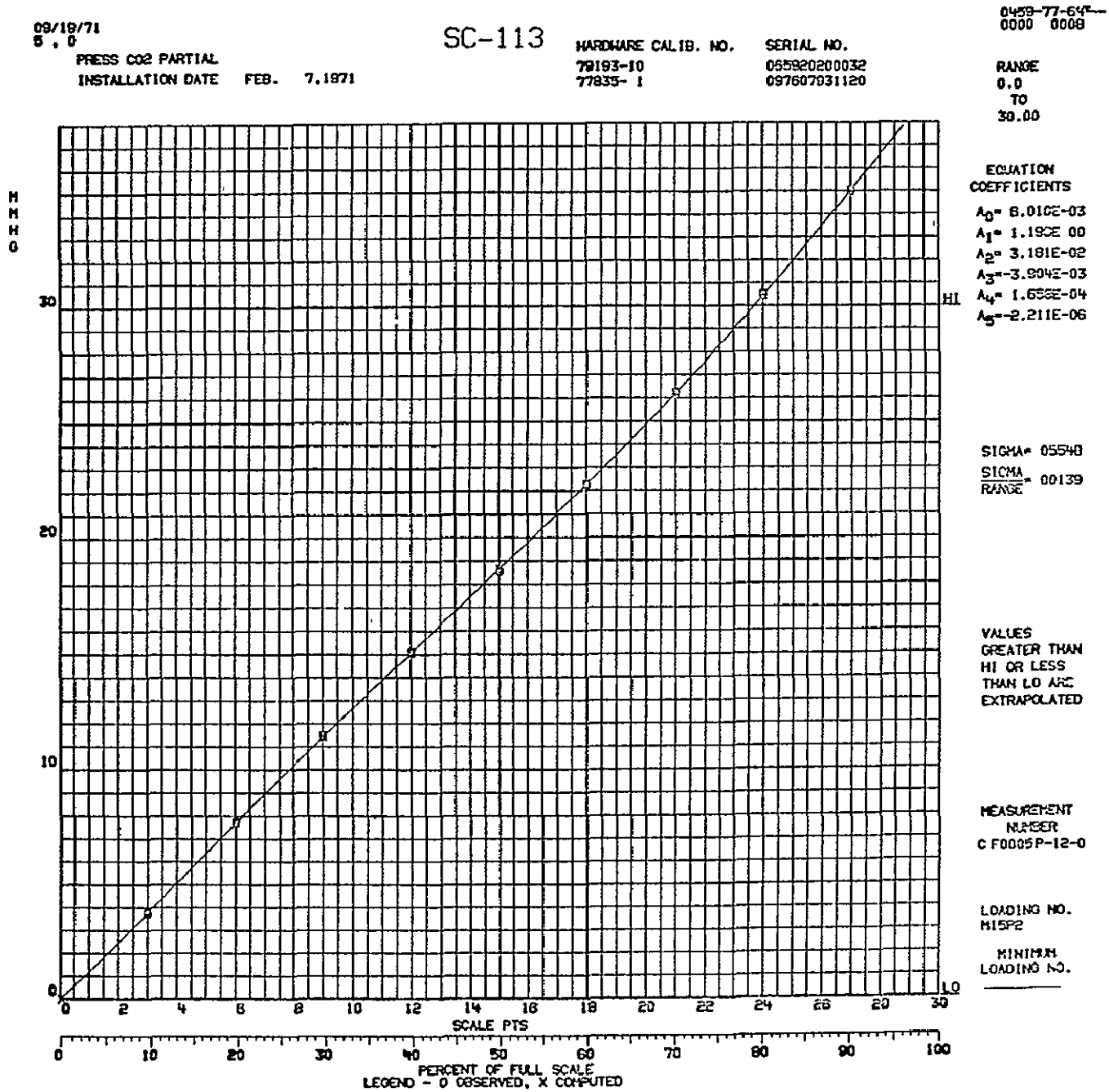
SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C F0003P- 1-0

LOADING NO.
M21P2

MINIMUM
LOADING NO.



This is a multiple mode measurement. It is one of three options. To be used with cabin pressure of 3.7 psia.

09/19/71
5.0

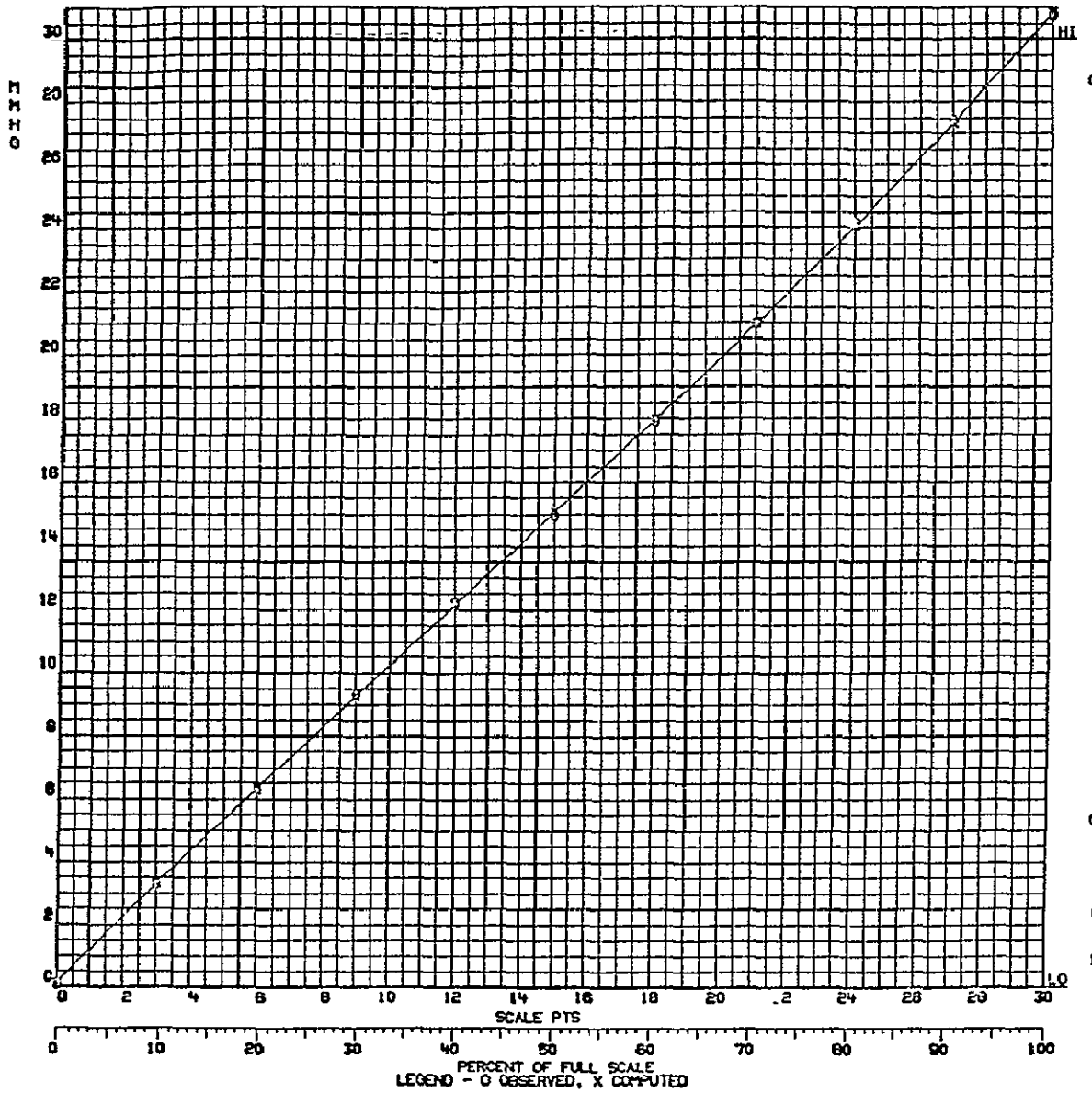
PRESS CO2 PARTIAL
INSTALLATION DATE FEB. 7,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
79193-20	065920200032
77835-1	097607931120

0459-77-64**—
0000 0009

RANGE
0.0
TO
30.00



EQUATION COEFFICIENTS

A_0= 1.350E-01
A_1= 1.084E 00
A_2=-9.533E-03
A_3= 2.651E-04

SIGMA=.07657

$\frac{SIGMA}{RANGE}$=.00249

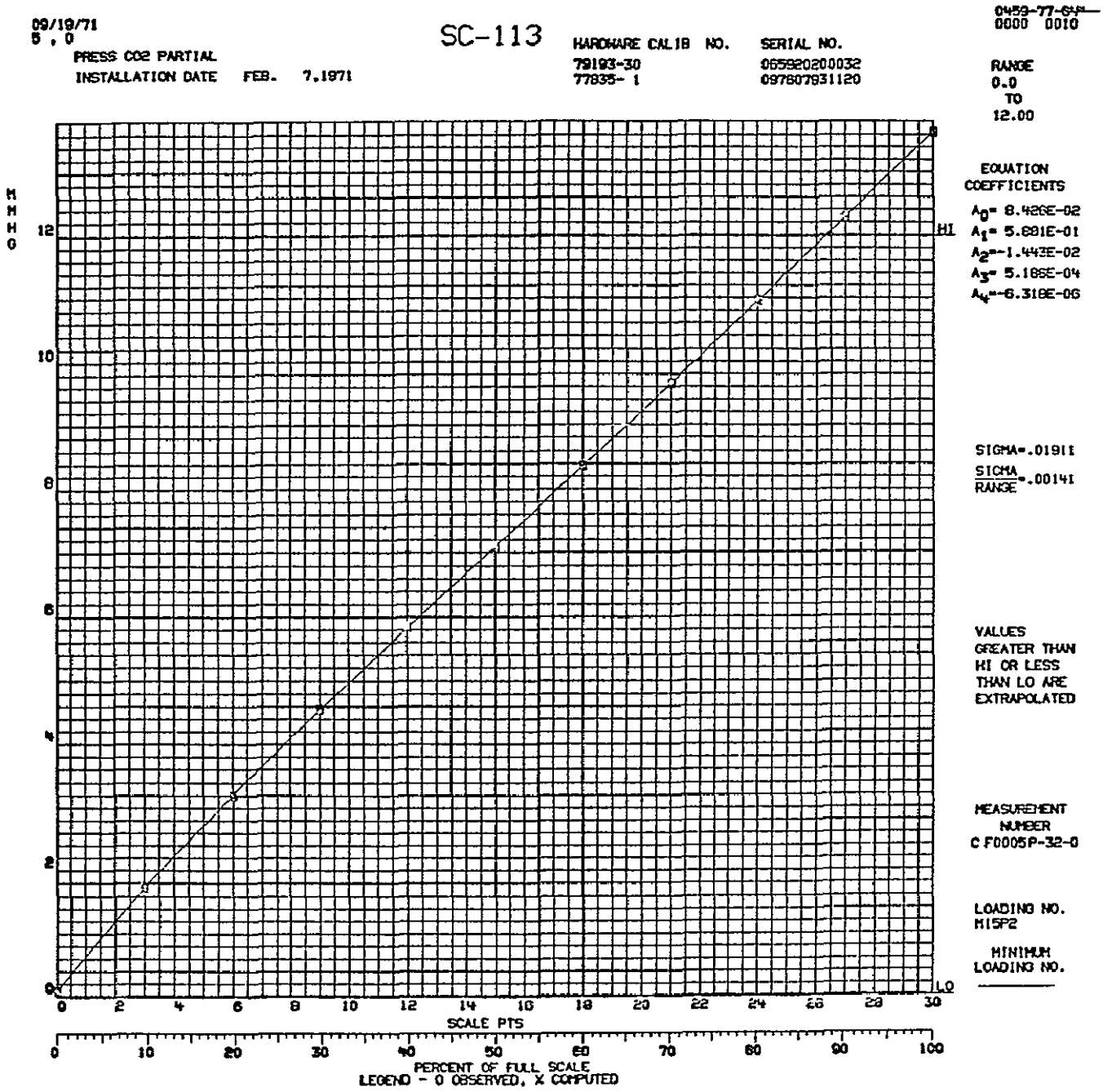
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0005P-22-0

LOADING NO
MIEP2

MINIMUM LOADING NO

This is a multiple mode measurement. It is two of three options. To be used with a cabin pressure of 5.0 psia.



This is a multiple mode measurement. It is three of three options. To be used with a cabin pressure of 14.7 psia.

06/29/71
5 . 1

PRESS SURGE TANK
INSTALLATION DATE OCT. 1,1969

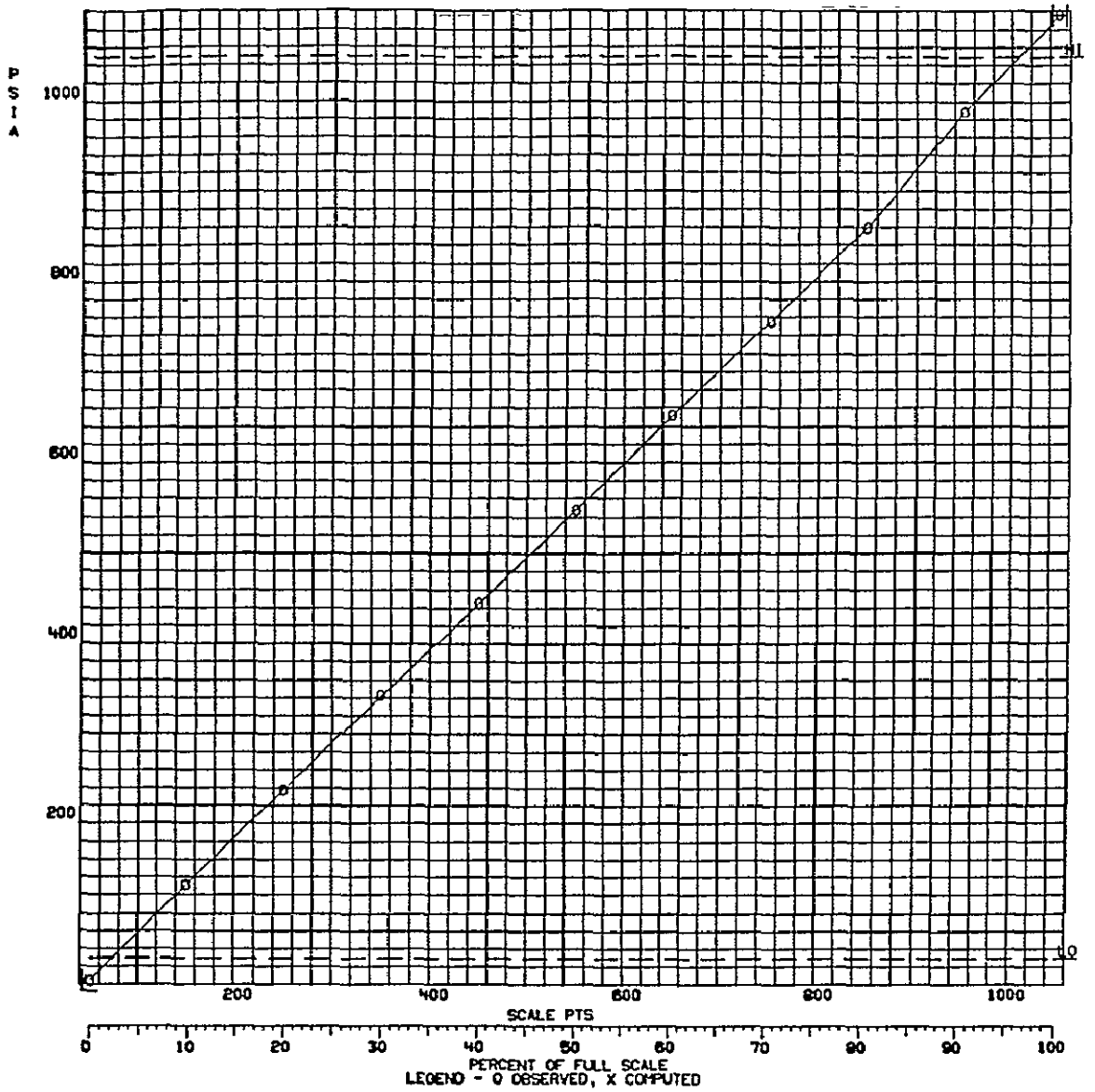
SC-113

HARDWARE CALIB NO.	SERIAL NO
56126- 4	10095402520A
80524- 2	097603810112

0459-77-03
0000 0326

RANGE
50.00
TO
1050.

PIECE-WISE
CURVE FIT



VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C F0006P~ 2-0

LOADING NO.
MSP2

MINIMUM
LOADING NO.

7 [illegible]3

06/29/71
5 . 0

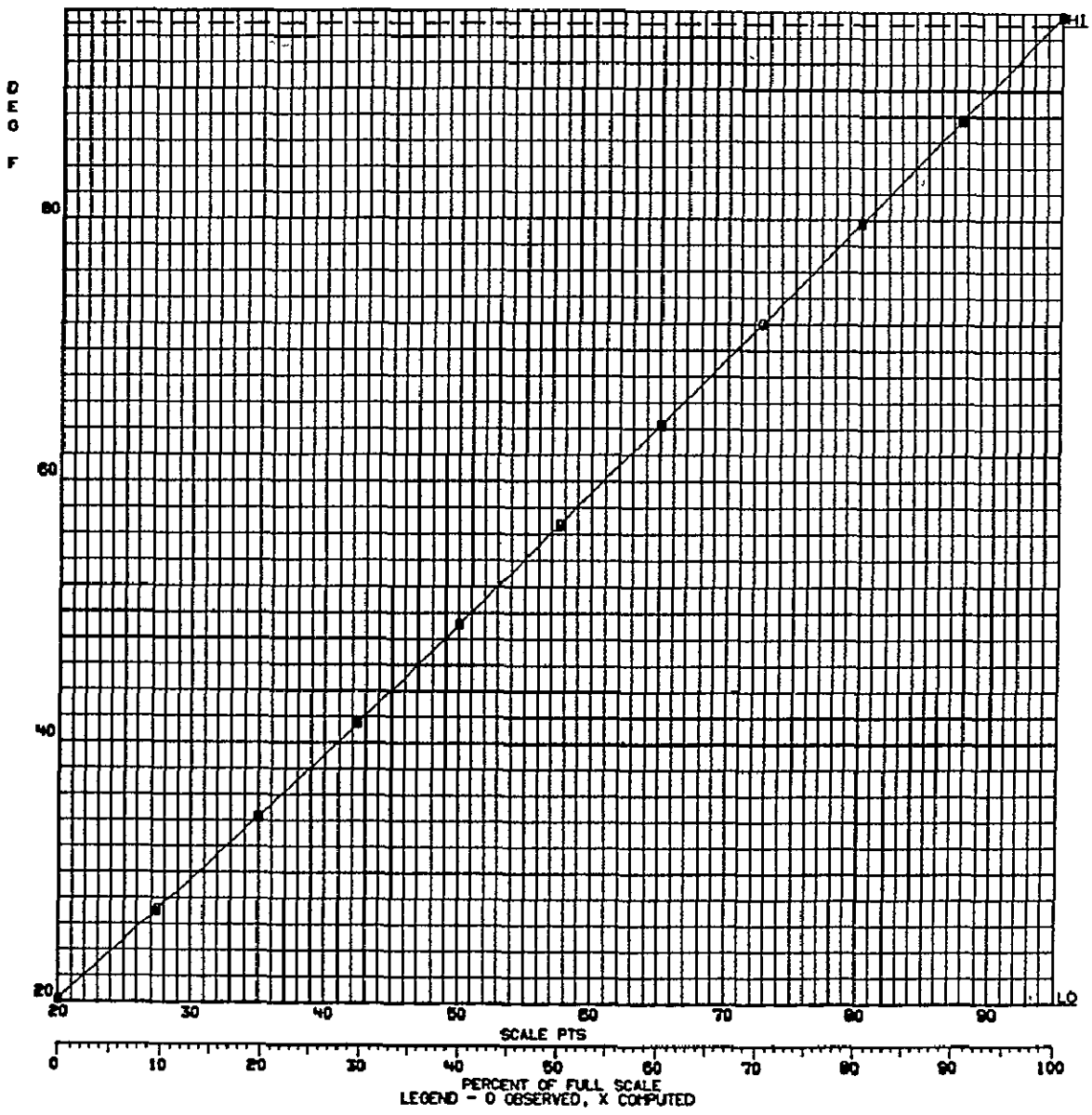
TEMP SUIT SUPPLY MANIF
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO	SERIAL NO.
76447- 1	004000037126
77483- 1	004000119393
80474- 1	097603828112

0459-77-03
0000 0327

RANGE
20.00
TO
95.00



EQUATION COEFFICIENTS

A_0= 3.946E 00
A_1= 7.185E-01
A_2= 5.899E-03
A_3=-5.464E-05
A_4= 2.103E-07

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0008T- 1-0

LOADING NO.
M13P2

MINIMUM LOADING NO.

7 029

06/29/71
5 . 0

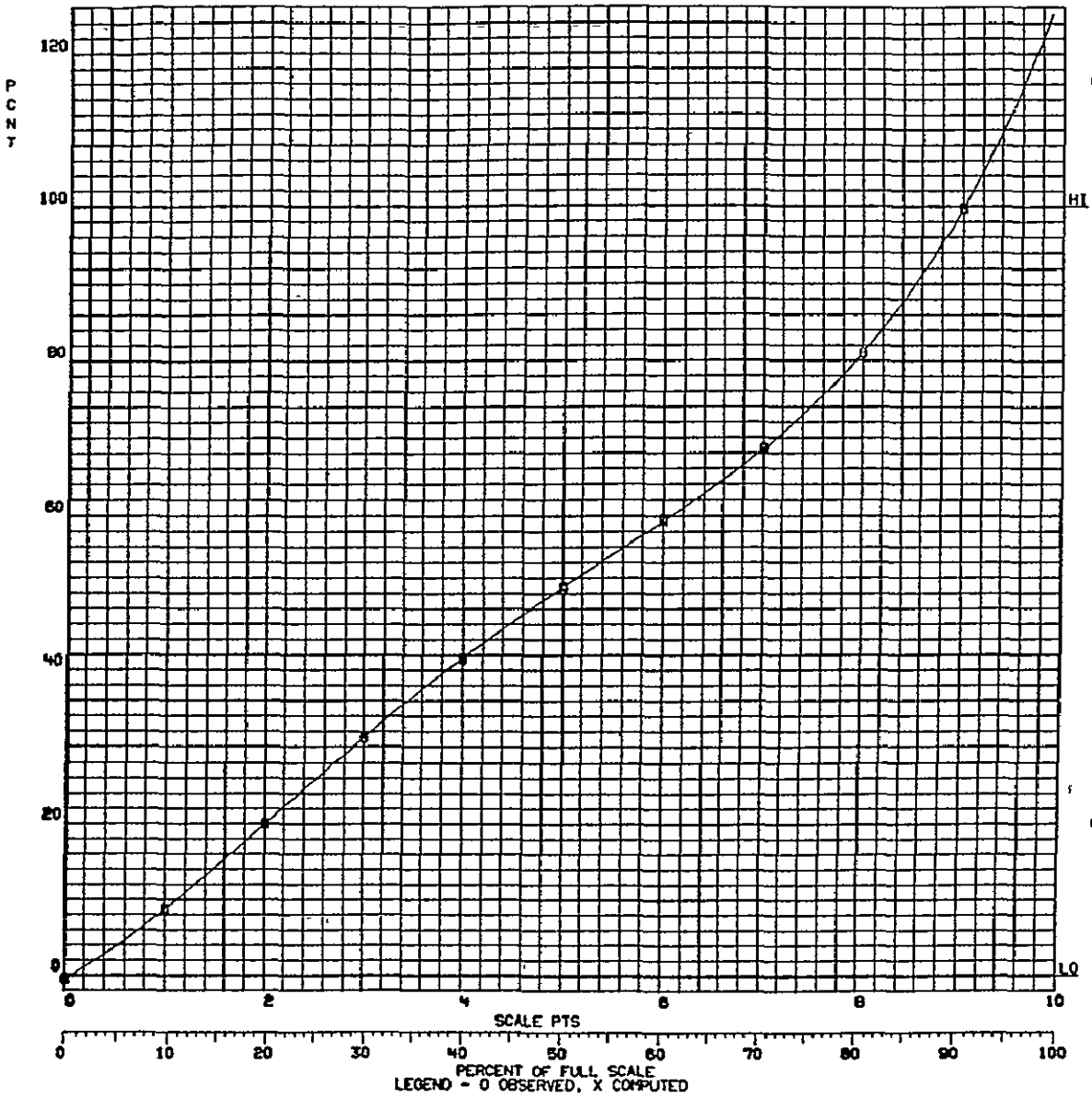
QUANTITY WASTE WATER TANK
INSTALLATION DATE OCT. 1.1969

SC-113

HARDWARE CALIB NO.	SERIAL NO.
80946- 2	004000046101
80498- 1	097602402114

0459-77-03
0000 0328

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-3 224E-01
A_1= 7.118E 00
A_2= 2.436E 00
A_3=-5.410E-01
A_4= 3.551E-02

SIGMA=.13266

$\frac{SIGMA}{RANGE}$=.00102

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F00090- 1-0

LOADING NO.
M11P2

MINIMUM LOADING NO.

06/29/71
5 , 0

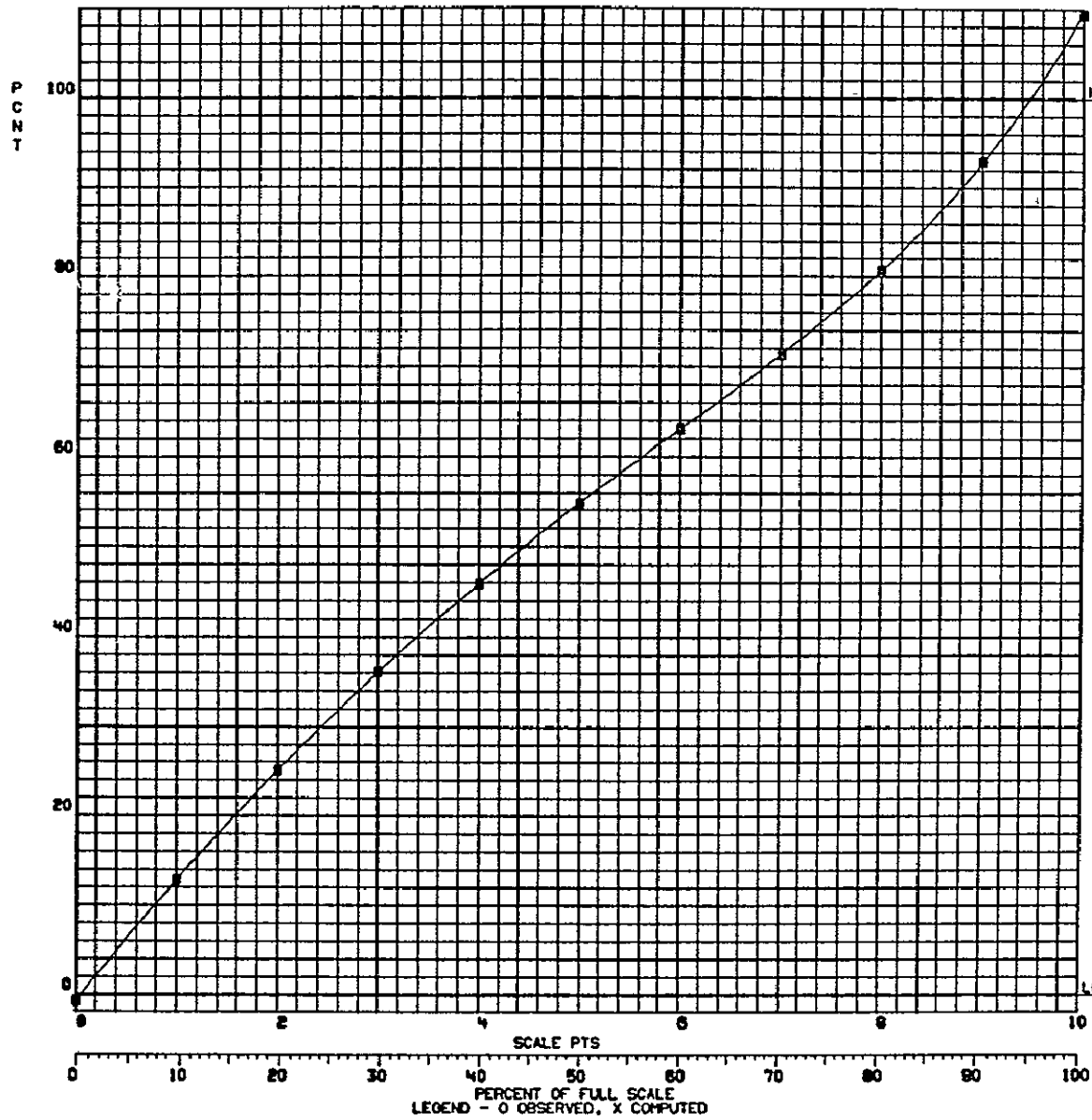
QUAN POTABLE H2O TANK
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75957- 2	004000046115
80498- 1	0976002402114

0459-77-03
0000 0329

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-7 541E-01
A_1= 1.420E 01
A_2=-6.584E-01
A_3= 1.397E-02
A_4=-4.432E-03
A_5= 6.433E-04

SIGMA=.05565

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00050

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F00100- 1-0

LOADING NO.
H11P2

MINIMUM LOADING NO

08/29/71
1 , 0

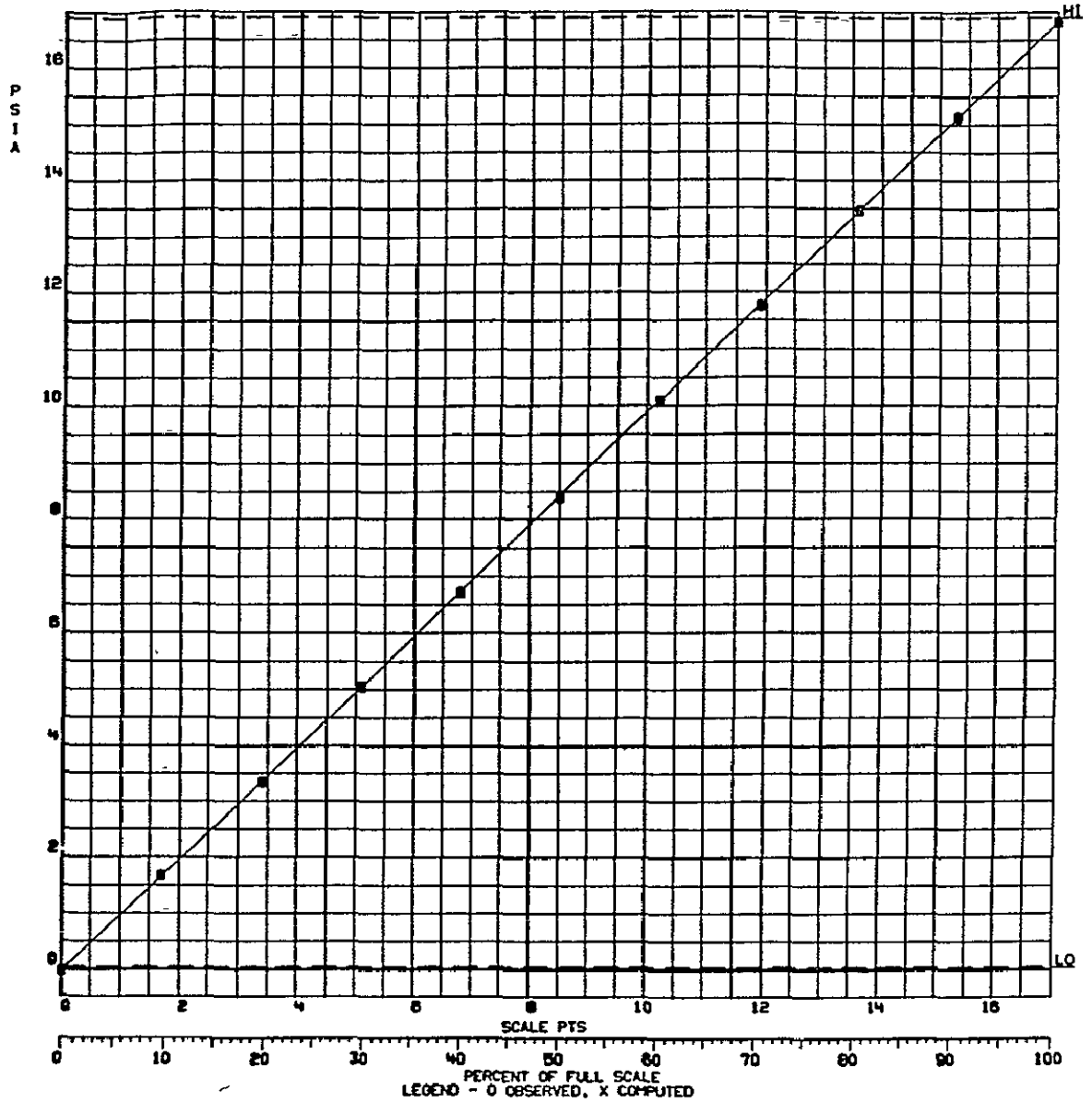
PRESS SUIT DEMAND REG SENSE
INSTALLATION DATE DEC. 29,1970

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78495- 1	004000050028
81053- 1	097603814115

0459-77-03[illegible]
0000 0330

RANGE
.0300
TO
16.90



EQUATION
COEFFICIENTS

A_0=-2.288E-02
A_1= 9.905E-01

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C F0012P- 2-0

LOADING NO.
M14P2

MINIMUM
LOADING NO.

06/29/71
5 . 0

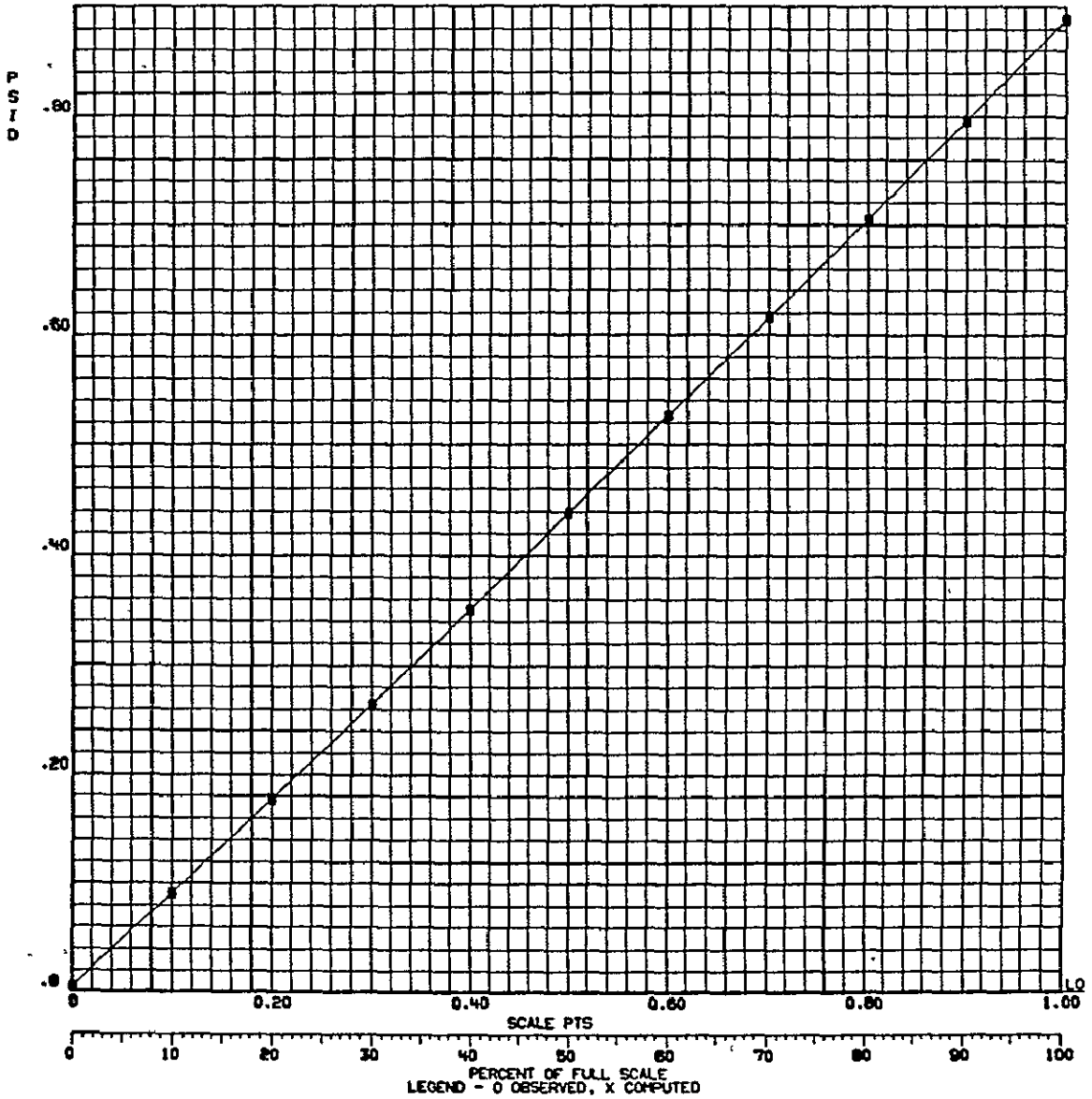
PRESS SUIT COMPRESSOR DIFF
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO
77485- 1	0040000009977
77834- 1	0976024031 18

0459-77-03
0000 0331

RANGE
0.0
TO
.9000



EQUATION COEFFICIENTS

A_0= 5.339E-03
A_1= 8 508E-01
A_2= 4.362E-02
A_3=-4.348E-02
A_4= 3.203E-02

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0015P- 1-0

LOADING NO.
M9P2

MINIMUM LOADING NO.

06/29/71
1.0

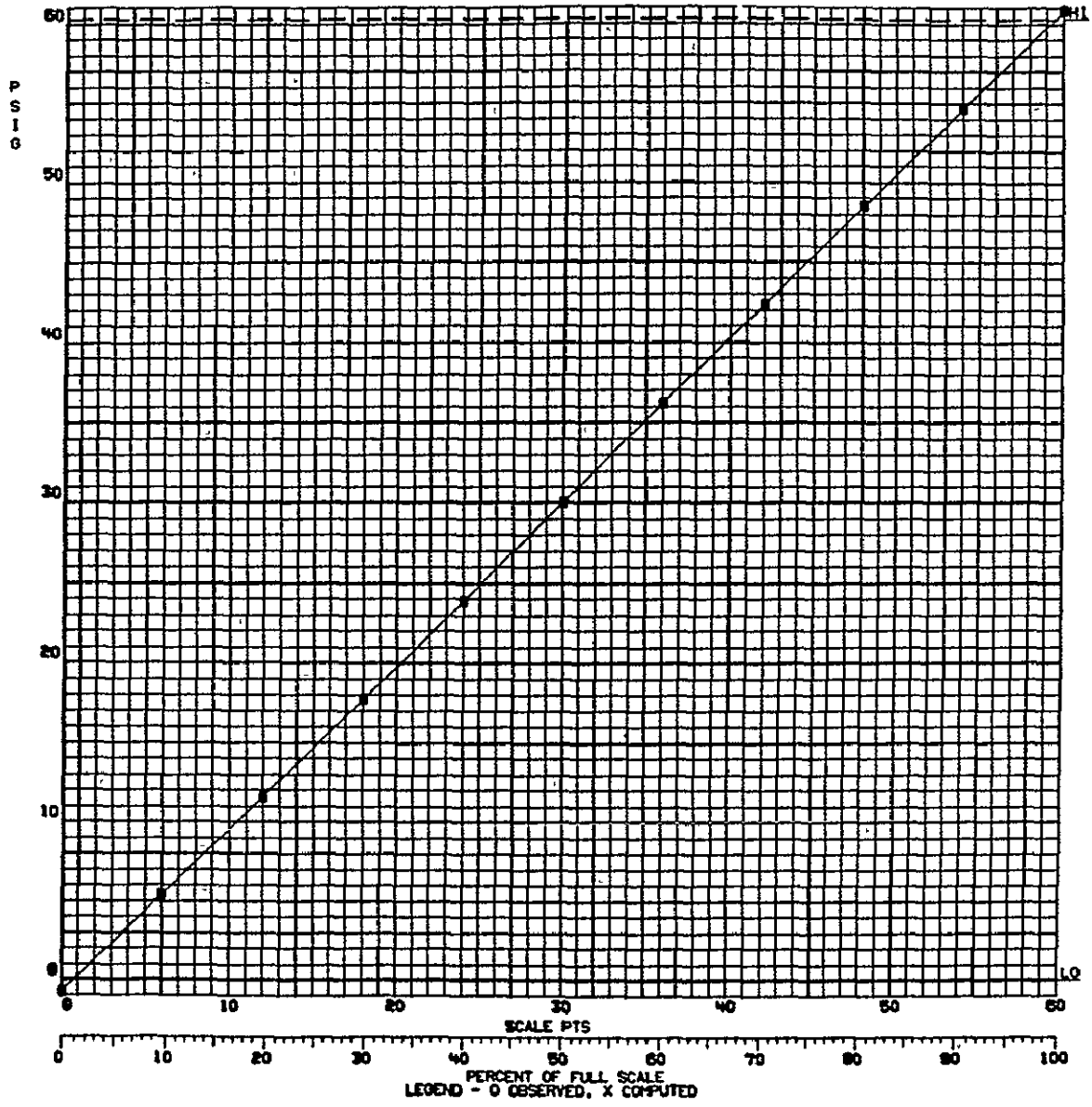
PRESS_GLYCOL_PUMP OUTLET
INSTALLATION DATE SEP. 18,1970

SC-113

HARDWARE CALIB. NO. 94037-1
SERIAL NO. 004000050062
0976024391O9

0459-77-03
0000 0332

RANGE
0.0
TO
60.30



EQUATION COEFFICIENTS

A_0=-7.338E-01
A_1= 1.025E 00

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0016P- 3-0

LOADING NO.
H10P2

MINIMUM LOADING NO.

06/29/71
5 . 0

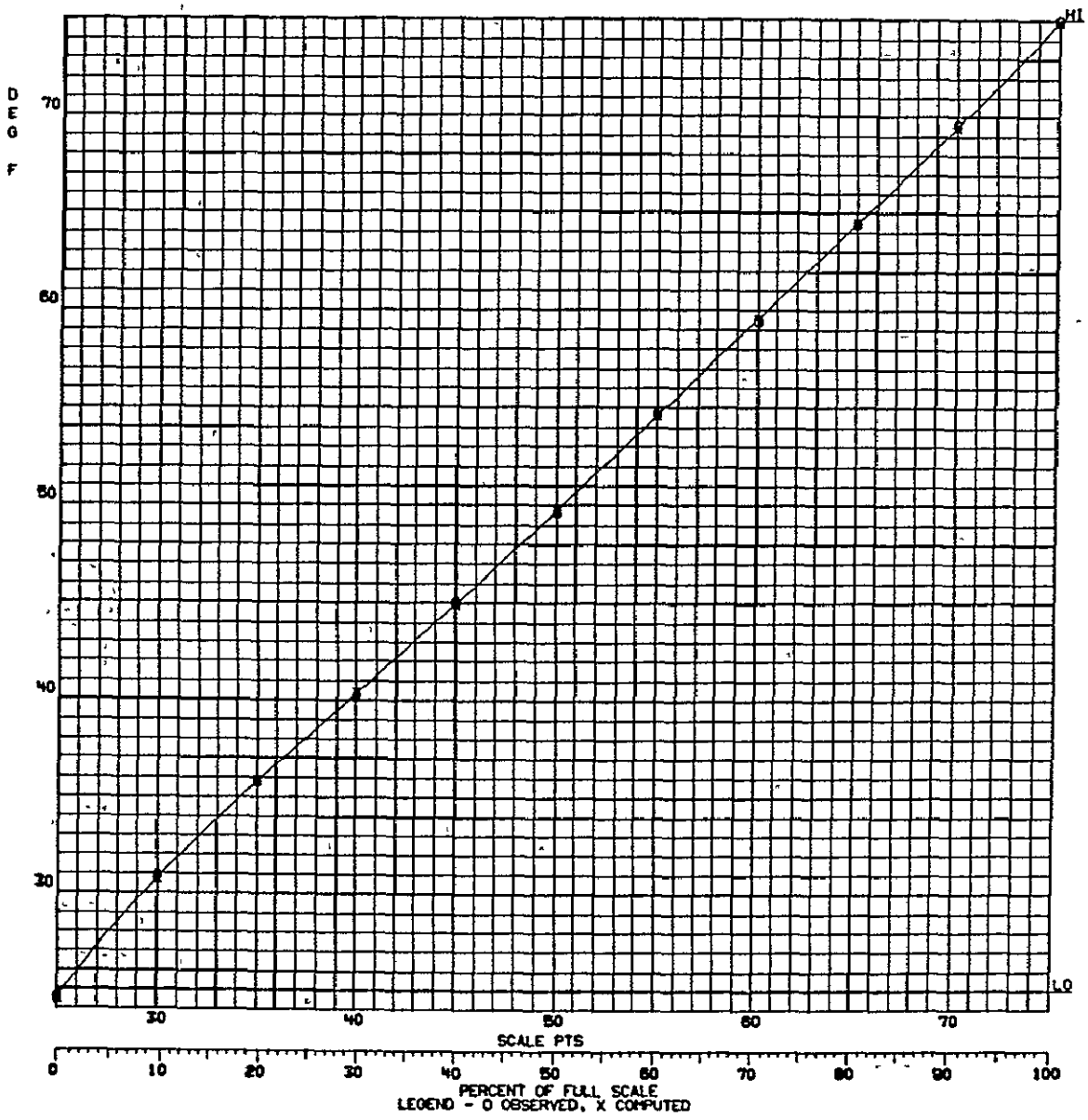
SC-113

TEMP GLYCOL EVAP OUTLET LIQUID
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO	SERIAL NO.
77486- 1	004000118187
77487- 1	004000118392
81075- 1	097602434118

0459-77-03
0000 0333

RANGE
25 00
TO
75.00



EQUATION COEFFICIENTS

A_0=-9 305E 01
A_1= 1.081E 01
A_2=-3.959E-01
A_3= 7.739E-03
A_4=-7.396E-05
A_5= 2 778E-07

SIGMA=.09912

$\frac{SIGMA}{RANGE}$= 00196

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
CF0018T- 1-0

LOADING NO
M12P2

MINIMUM LOADING NO.

06/29/71
5 . 1

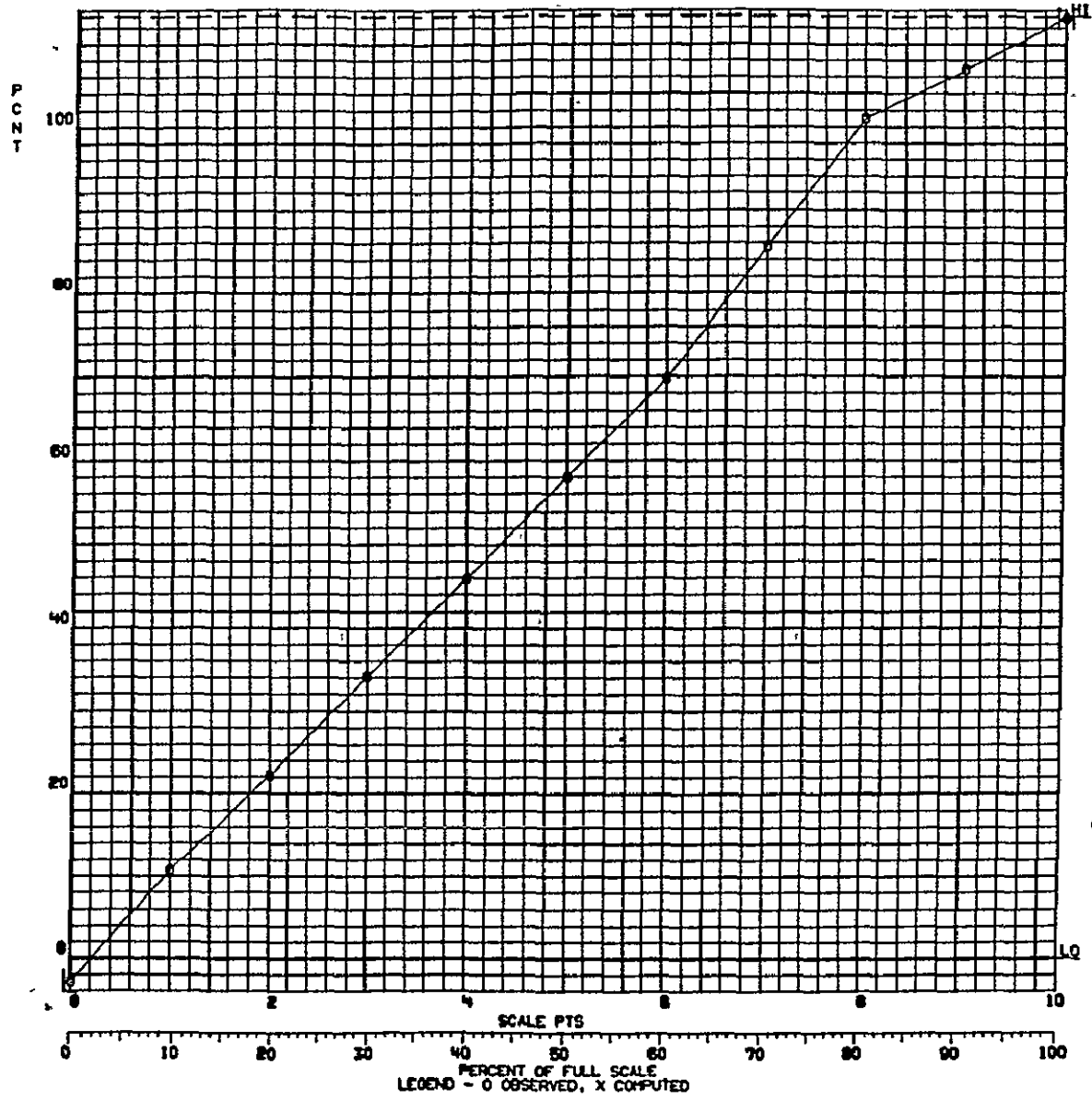
QUANTITY GLYCOL ACCUM
INSTALLATION DATE SEP. 18,1970

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
54840- 1	004000108122
54839- 1	004000050062
80497- 1	097602402114

0459-77-03[illegible]
0000 0334

RANGE
0.0
TO
113.3



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND HI) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
CF0019Q- 3-0

LOADING NO.
H11P2

MINIMUM
LOADING NO.

06/29/71
5 . 0

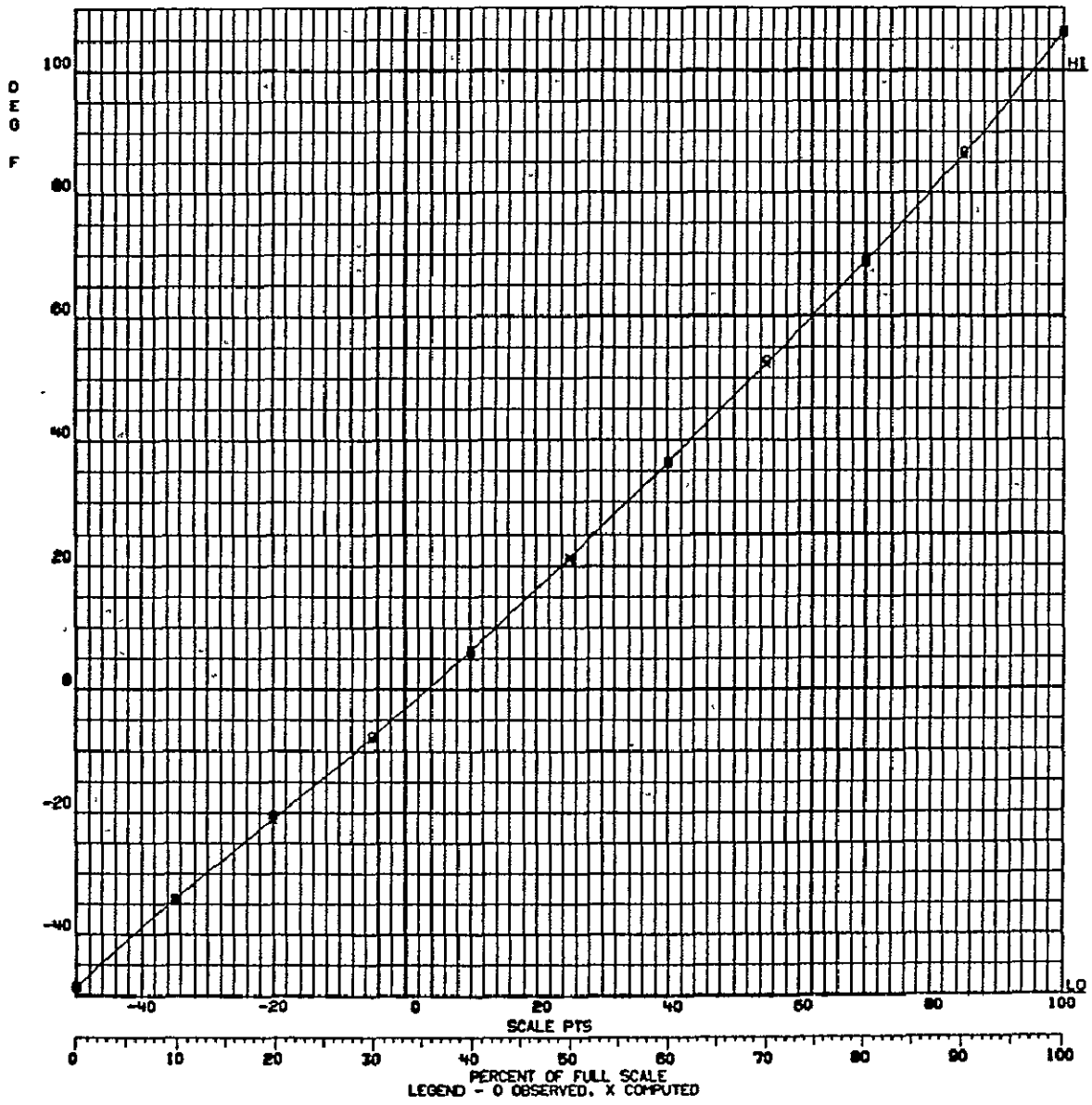
SC-113

0459-77-03
0000 0335

TEMP SPACE RADIATOR OUTLET
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
76719- 1	004000088141
77488- 1	004000118394
80980- 1	097602430116

RANGE
-50.00
TO
100.0



EQUATION COEFFICIENTS

A_0=-3.221E 00
A_1= 9.250E-01
A_2= 1.900E-03
A_3= 5.051E-06
A_4=-3.576E-07
A_5= 2.861E-09

SIGMA=.32379

$\frac{SIGMA}{RANGE}$=.00209

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0020T- 1-0

LOADING NO.
M19P2

MINIMUM LOADING NO.

06/29/71
1.0

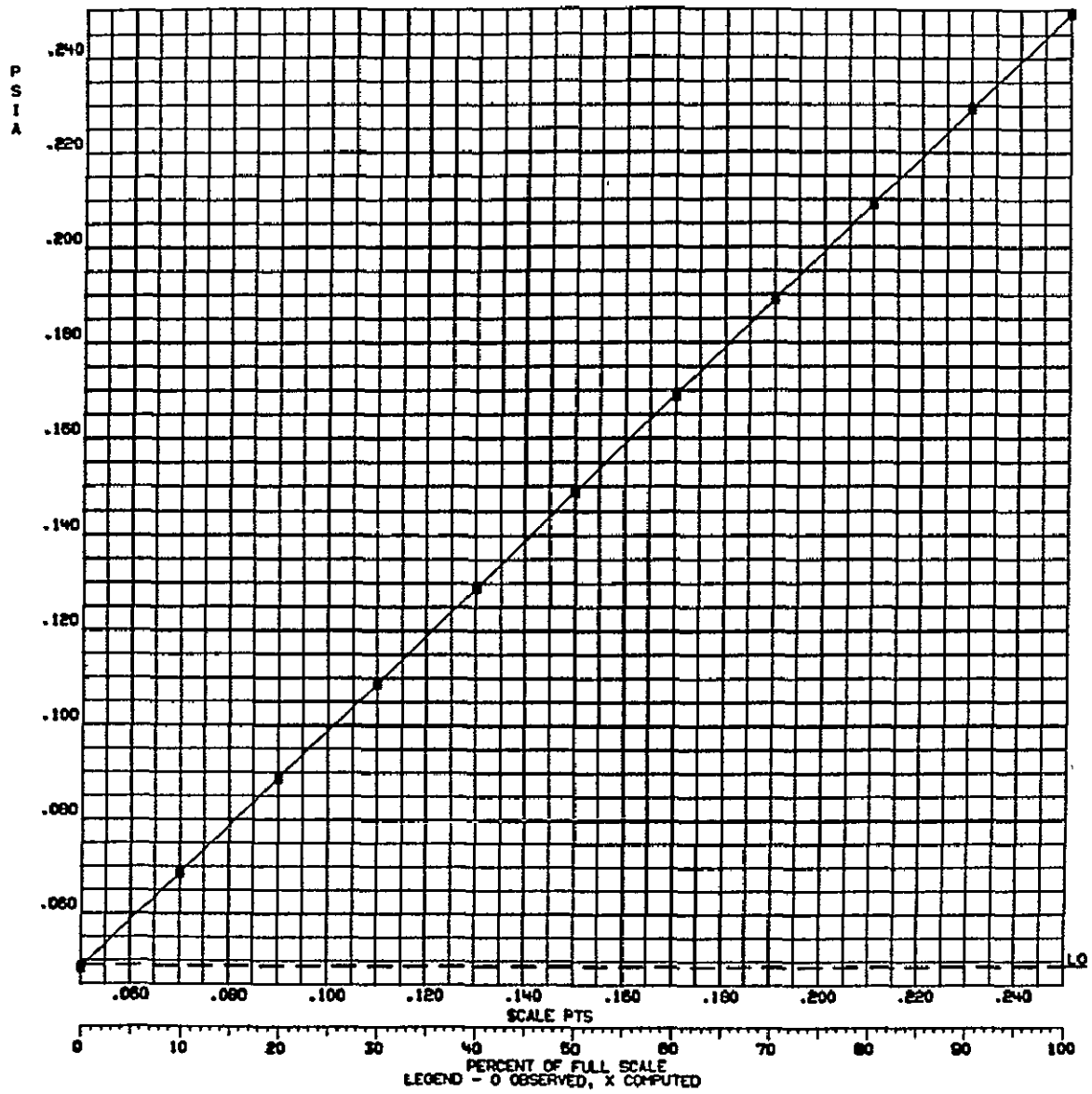
BACK PRESS GLYCOL EVAPORATOR
INSTALLATION DATE OCT. 1.1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
77489- 1	004000050022
80326- 1	097802439109

0459-77-03
0000 0336

RANGE
.0490
TO
.2500



EQUATION COEFFICIENTS

A_0=-1.378E-03
A_1= 1.002E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0034P- 1-0

LOADING NO.
H10P2

MINIMUM LOADING NO.

10/23/71
5 . 1

FLOW RATE ECS 02
INSTALLATION DATE SEP. 30,1971

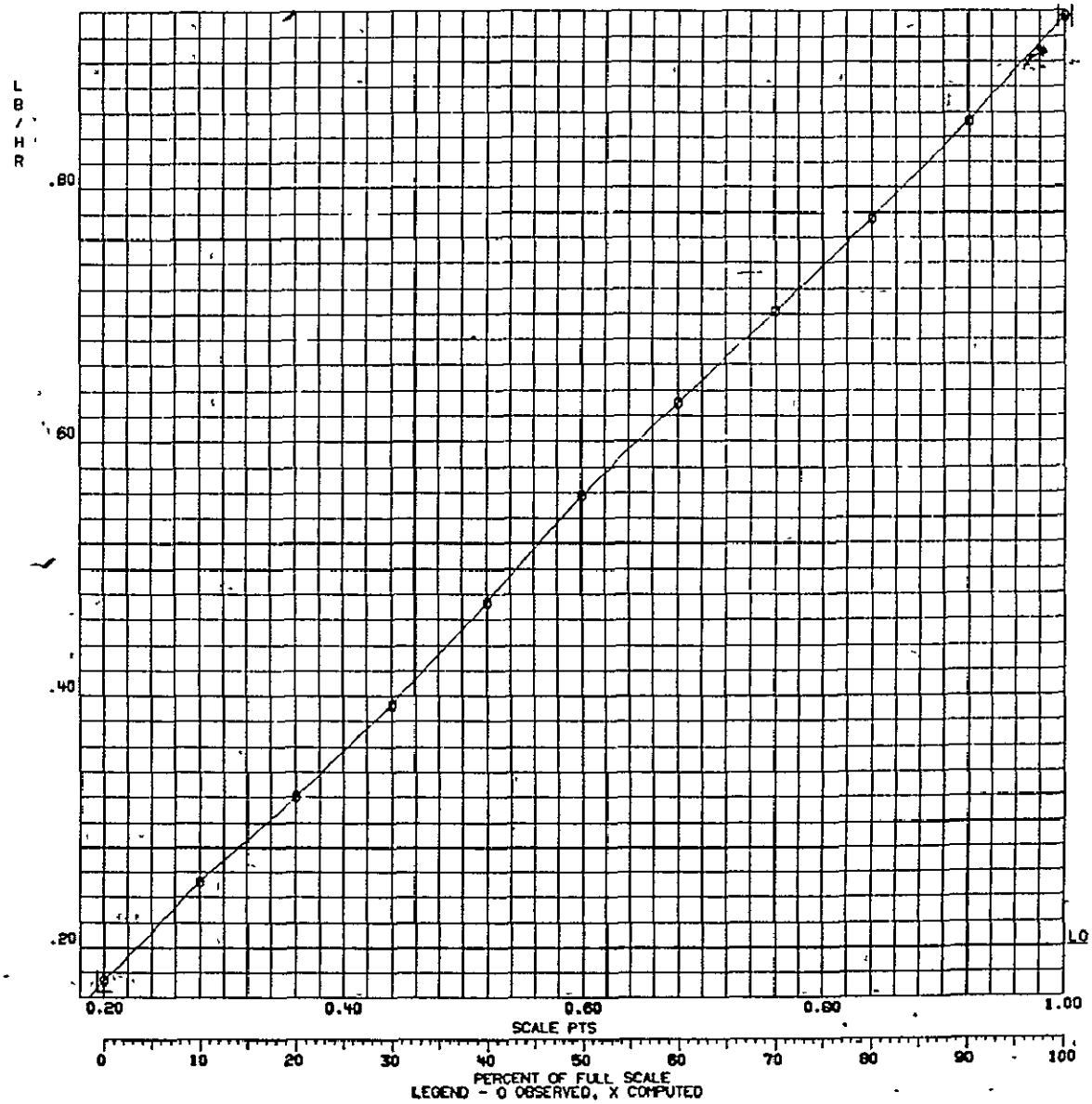
SC-113

HARDWARE CALIB NO	SERIAL NO
75907- 2	004000000039
77795- 1	097602440117

0459-77-72
0000 0013

RANGE
2000
TO
1 000

PIECE-WISE
CURVE FIT



VALUES BEYOND
END POINTS
(L AND HI) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C F0035R- 3-0

LOADING NO
M21P2

MINIMUM
LOADING NO.

08/29/71
1 . 0

PRESS SEC GLYCOL PUMP OUT
INSTALLATION DATE SEP. 18,1970

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
54941- 1	004000050061
80327- 1	097802439109

0456-77-03
0000 0338

RANGE
0.0
TO
59.20

EQUATION
COEFFICIENTS
A_0=-6.556E-01
A_1= 1.007E 00

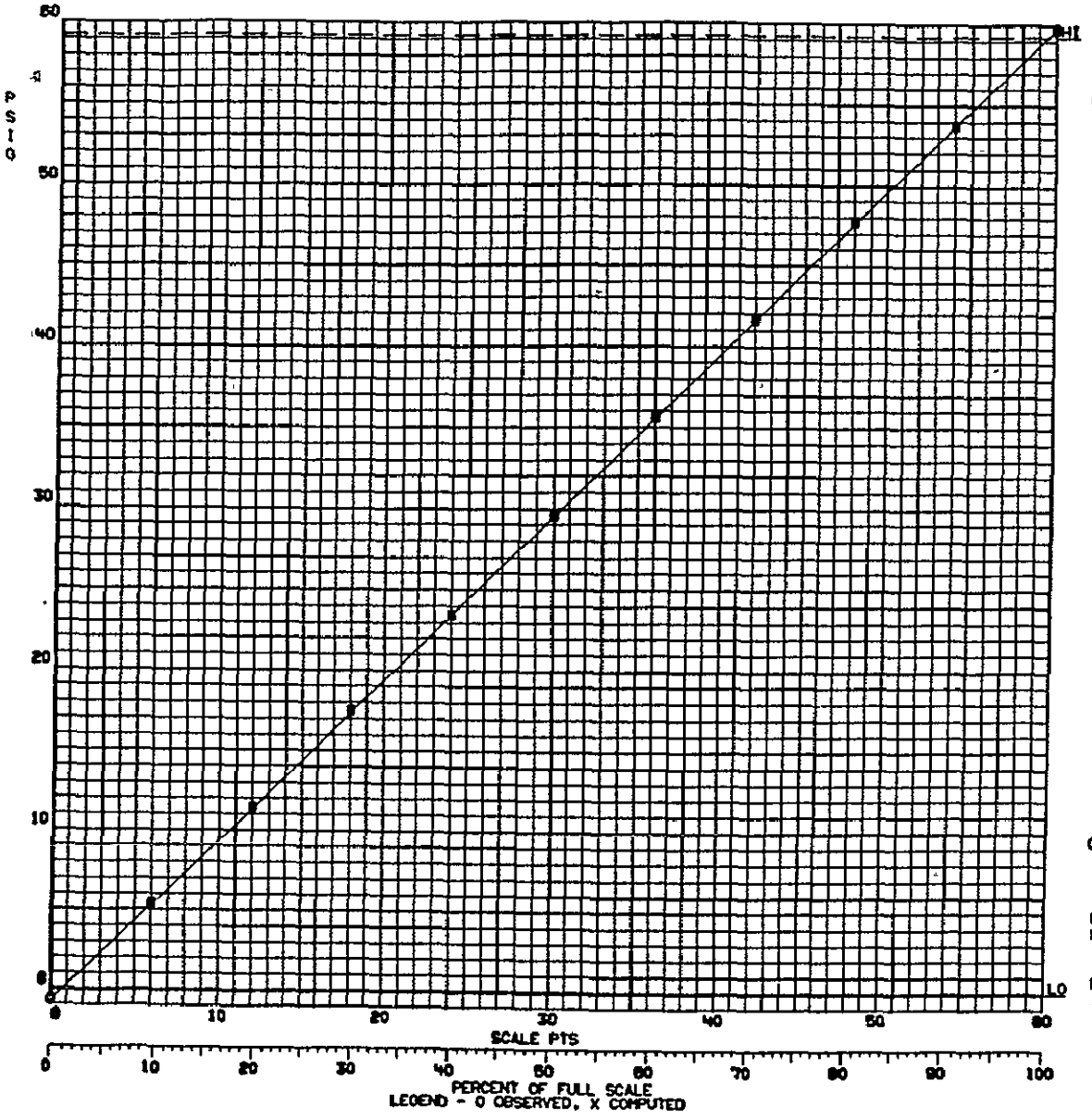
SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C F0070P- 3-0

LOADING NO.
M10P2

MINIMUM
LOADING NO.



06/29/71
5 , 0

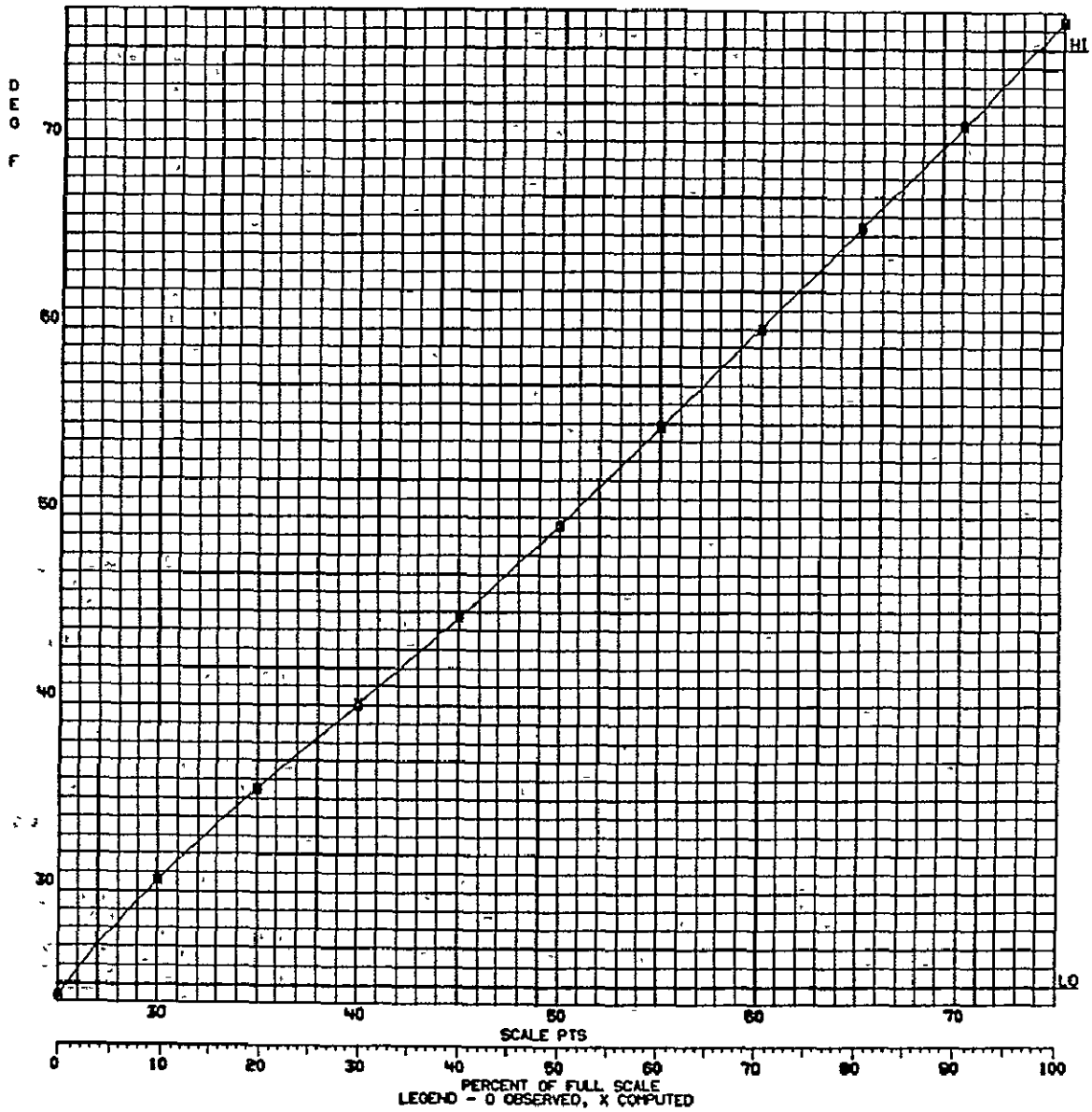
SC-113

TEMP SEC EVAP OUT LIQUID
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO
77492- 1	004000118189
77493- 1	004000118395
81075- 1	097602434118

0459-77-03
0000 0339

RANGE
25 00
TO
75.00



EQUATION COEFFICIENTS

A_0=-9 697E 01
A_1= 1.121E 01
A_2=-4.101E-01
A_3= 7.917E-03
A_4=-7 411E-05
A_5= 2.715E-07

SIGMA=.10073
SIGMA/RANGE=.00193

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0071 T- 1-0

LOADING NO
M12P2

MINIMUM LOADING NO

06/29/71
5 . 1

QUANTITY SEC GLYCOL_ACCUM

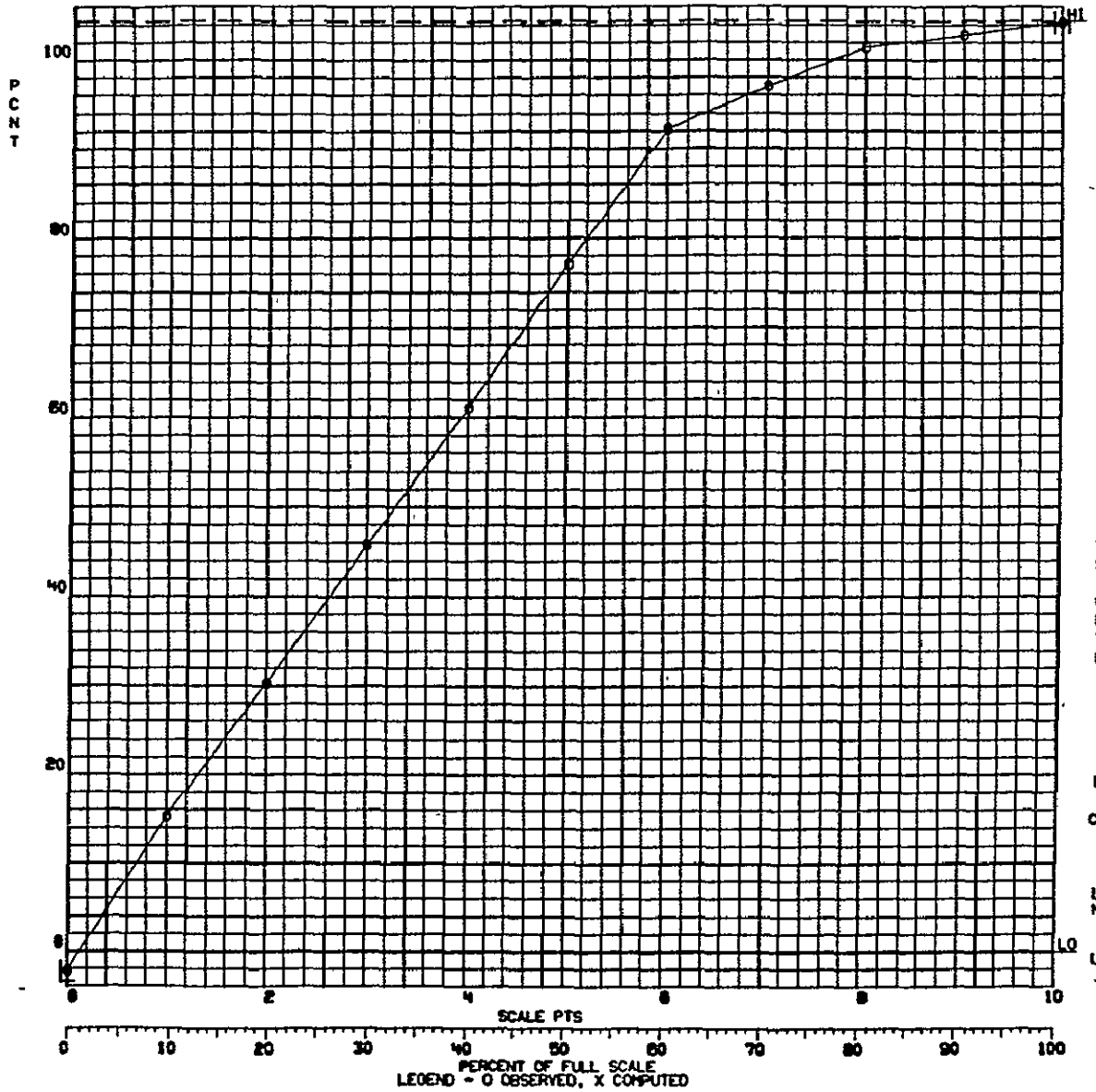
INSTALLATION DATE SEP. 18,1970

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
54643- 1	004000109122
54642- 1	004000050058
80497- 1	097602402114

0459-77-03
0000 0340

RANGE
0.0
TO
104.3



PIECE-WISE CURVE FIT

VALUES BEYOND END POINTS (L AND H) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0072Q- 3-0

LOADING NO.
M11P2

MINIMUM LOADING NO.

06/29/71
1 , 0

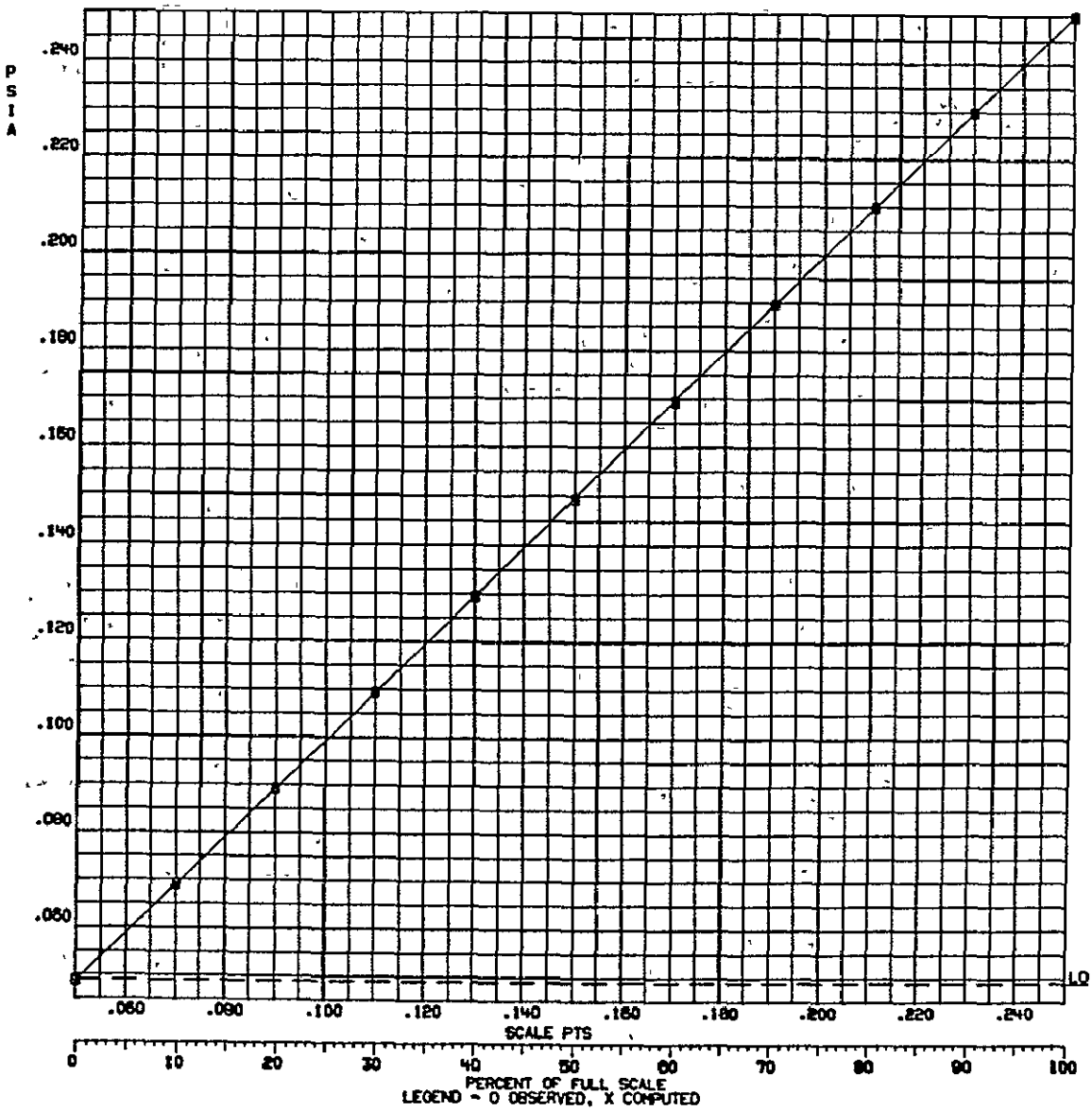
PR SEC EVAP OUT STEAM
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO	SERIAL NO.
77494- 1	004000050025
80326- 1	097602439109

0459-77-03[illegible]
0000 0341

RANGE
.0490
TO
.2500



EQUATION COEFFICIENTS

A_0=-1.216E-03
A_1= 1.004E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0073P- 1-0

LOADING NO.
M10P2

MINIMUM LOADING NO

06/29/71
1 . 0

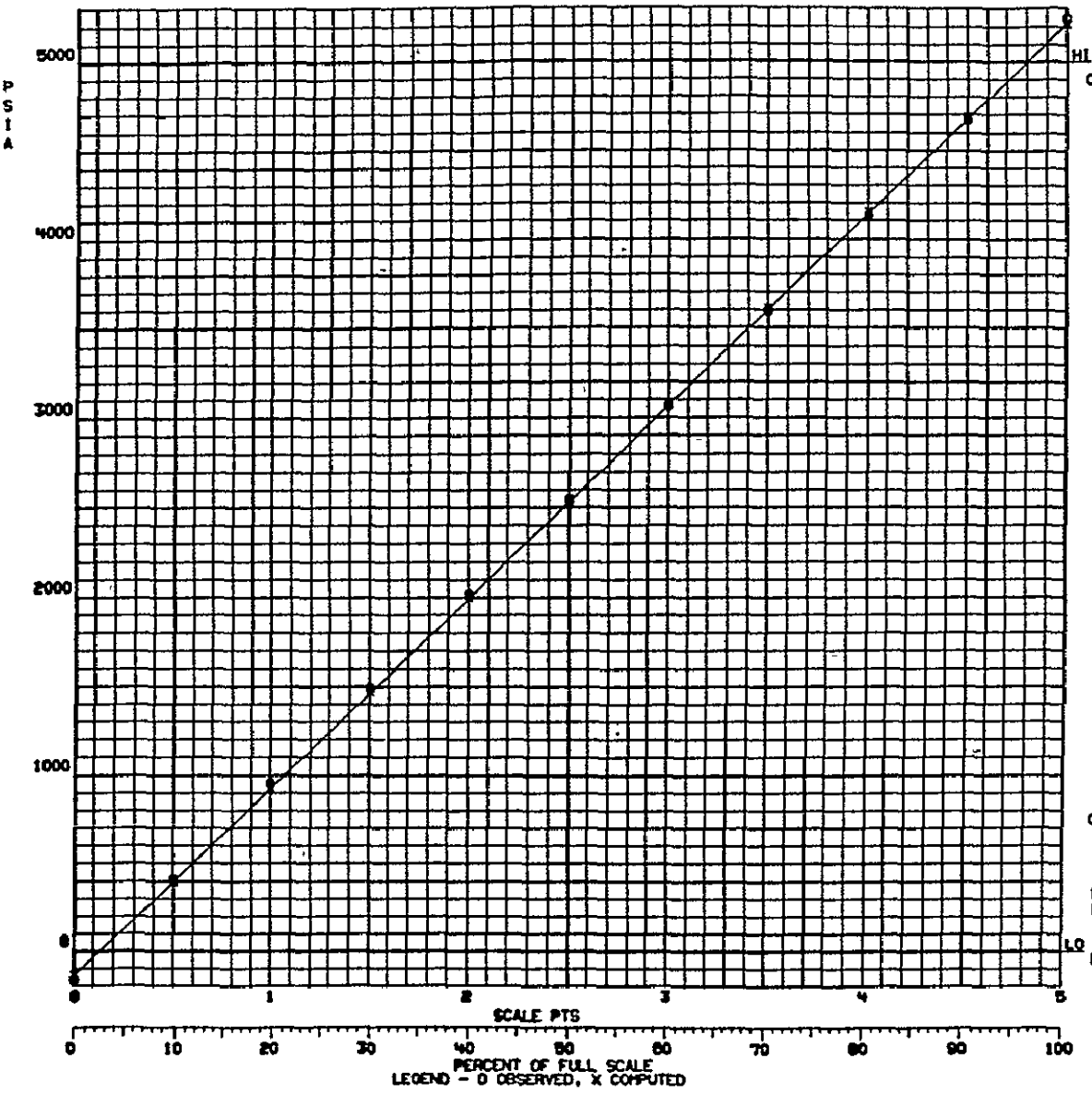
SC-113

0459-77-03
0000 0353

ME_PRESS TANK 1
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
54751- 1	10308603271A
80855- 1	097603817113

RANGE
0.0
TO
5000.



HI EQUATION COEFFICIENTS
A_0=-1.380E 02
A_1= 1.071E 03

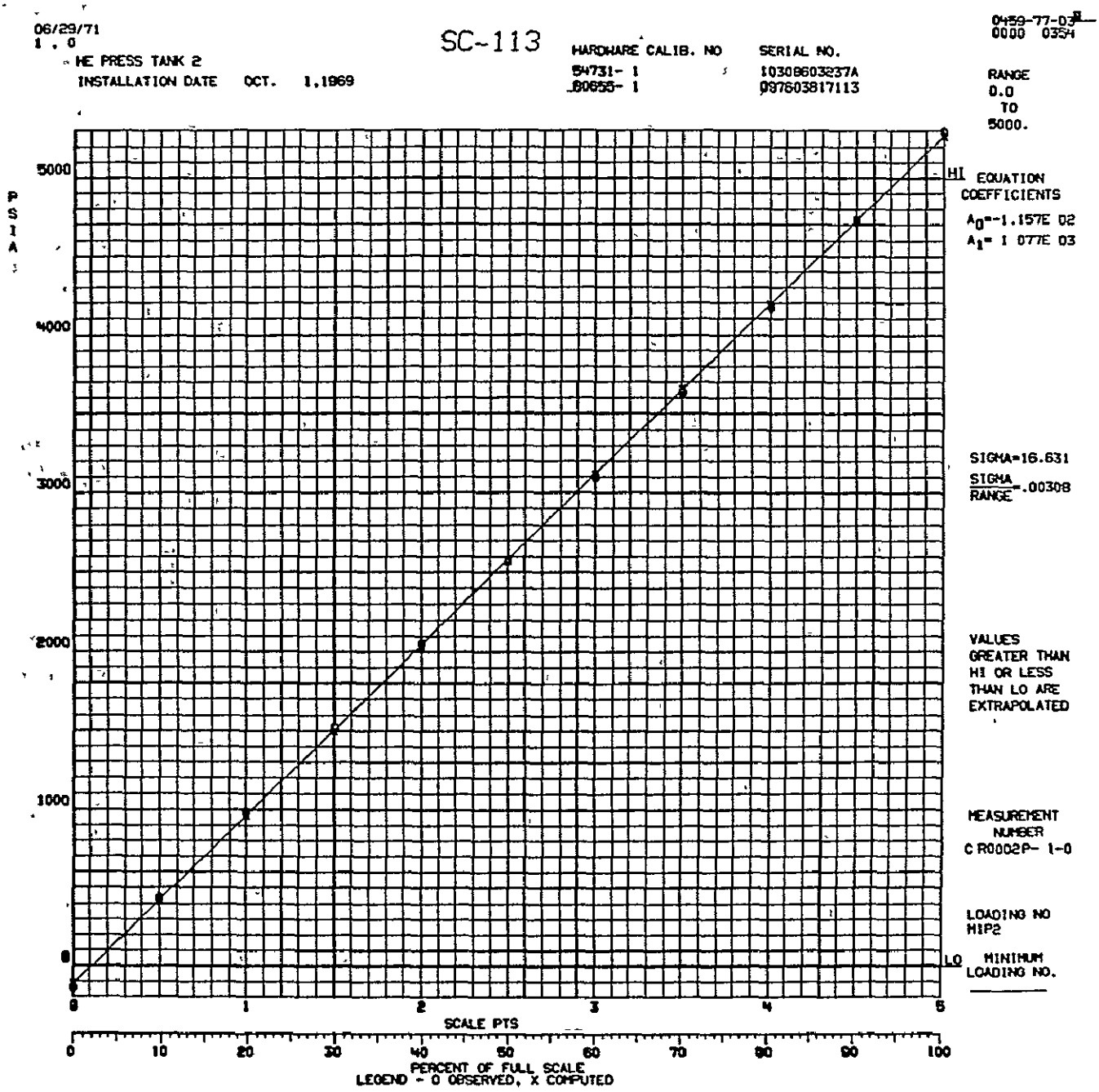
SIGMA=16.546
$\frac{SIGMA}{RANGE}$=.00309

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R0001P- 1-0

LOADING NO.
M1P2

MINIMUM LOADING NO.


06/29/71
1 . 0
HE PRESS TANK 2
INSTALLATION DATE OCT. 1,1969
SC-113
HARDWARE CALIB. NO
54731- 1
80655- 1
SERIAL NO.
10308603237A
097603817113
0459-77-03
0000 0354
RANGE
0.0
TO
5000.
PSIA
5000
4000
3000
2000
1000
0
HI
LO
EQUATION
COEFFICIENTS
A0=-1.157E 02
A1= 1 077E 03
SIGMA=16.631
SIGMA/RANGE=.00308
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
C R0002P- 1-0
LOADING NO
HIP2
MINIMUM
LOADING NO.
0
1
2
3
4
5
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

06/29/71
S . 0

HE TEMP TANK 1
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
80089- 4	10095432127A
80654- 1	087603817113

0459-77-03
0000 0355

RANGE
0.0
TO
300.0

EQUATION COEFFICIENTS

A_0=-4.703E 00
A_1= 9.781E 01
A_2= 5.903E 00
A_3=-2.391E 00
A_4= 4.038E-01

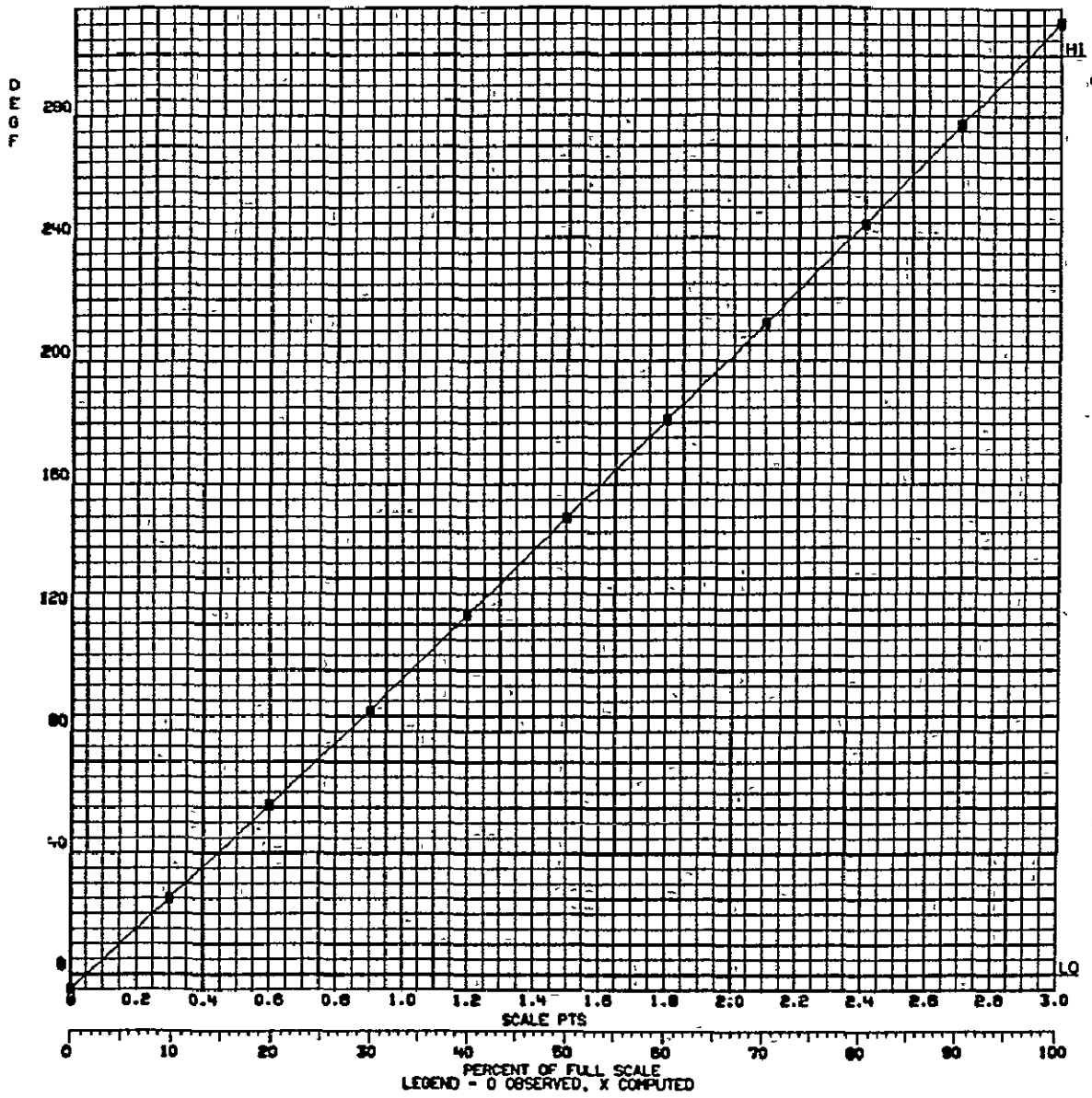
SIGMA=.00000
SIGMA/RANGE=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R0003T- 1-0

LOADING NO.
MIP2

MINIMUM LOADING NO.



06/29/71
5 . 0

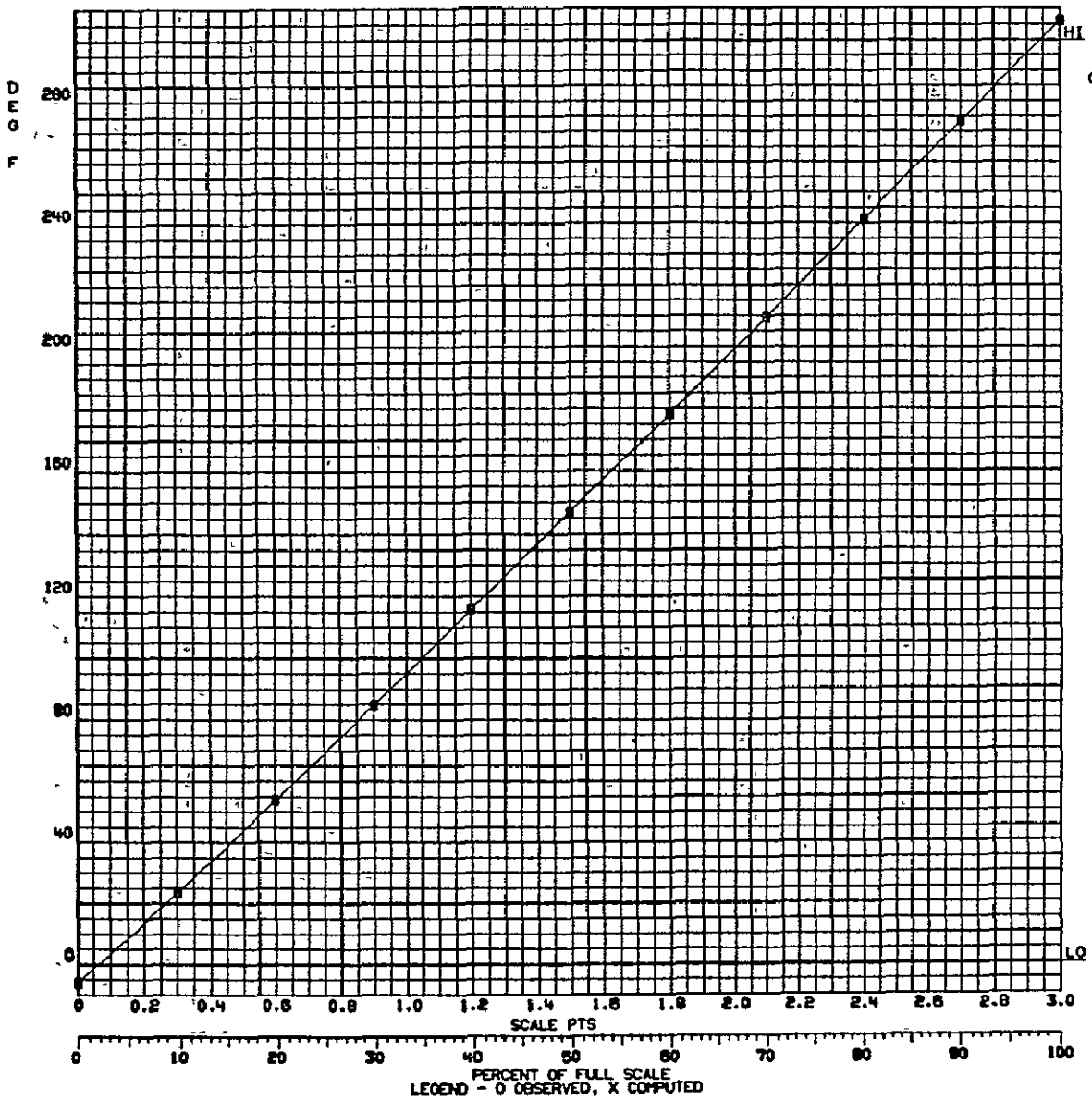
SC-113

0459-77-03
0000 0356

HE TEMP TANK 2
INSTALLATION DATE OCT. 1.1969

HARDWARE CALIB. NO.	SERIAL NO.
04385- 3	10095411878A
80654- 1	097603817113

RANGE
0.0
TO
300.0



EQUATION COEFFICIENTS

A_0=-5.786E 00
A_1= 9.619E 01
A_2= 6.864E 00
A_3=-2.775E 00
A_4= 4.491E-01

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R0004T- 1-0

LOADING NO.
M1P2

MINIMUM LOADING NO

7 C47

06/29/71
1 . 0

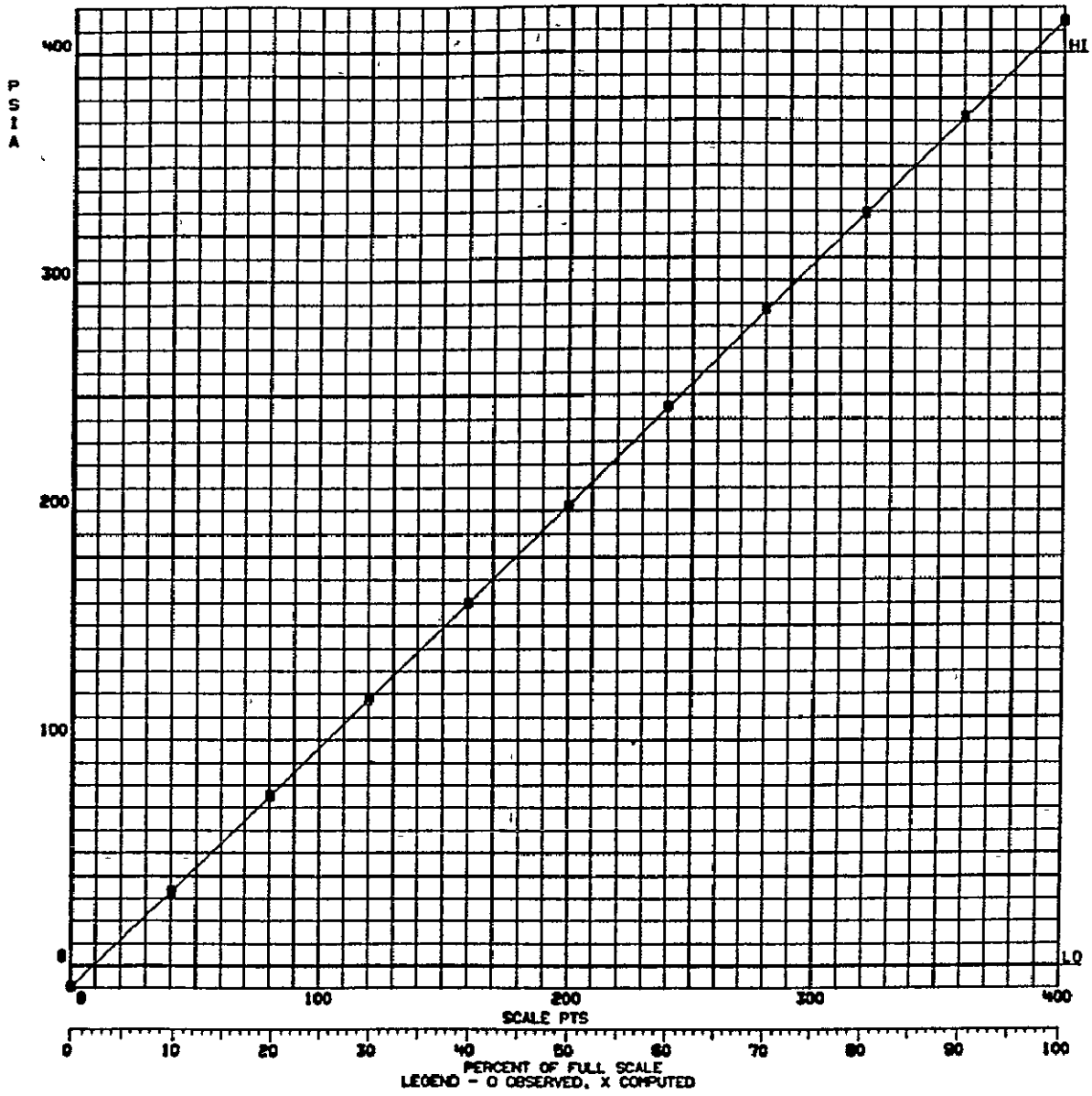
PRESS CH-RCS HE MANIF 1 DSPLY
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
94714- 1	103098031454
80493- 1	097803838114

0459-77-03[illegible]—
0000 0357

RANGE
0.0
TO
400.0



EQUATION COEFFICIENTS

A_0=-9.424E 00
A_1= 1.059E 00

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R0037P- 1-0

LOADING NO.
M2P2

MINIMUM LOADING NO.

06/29/71
I , 0

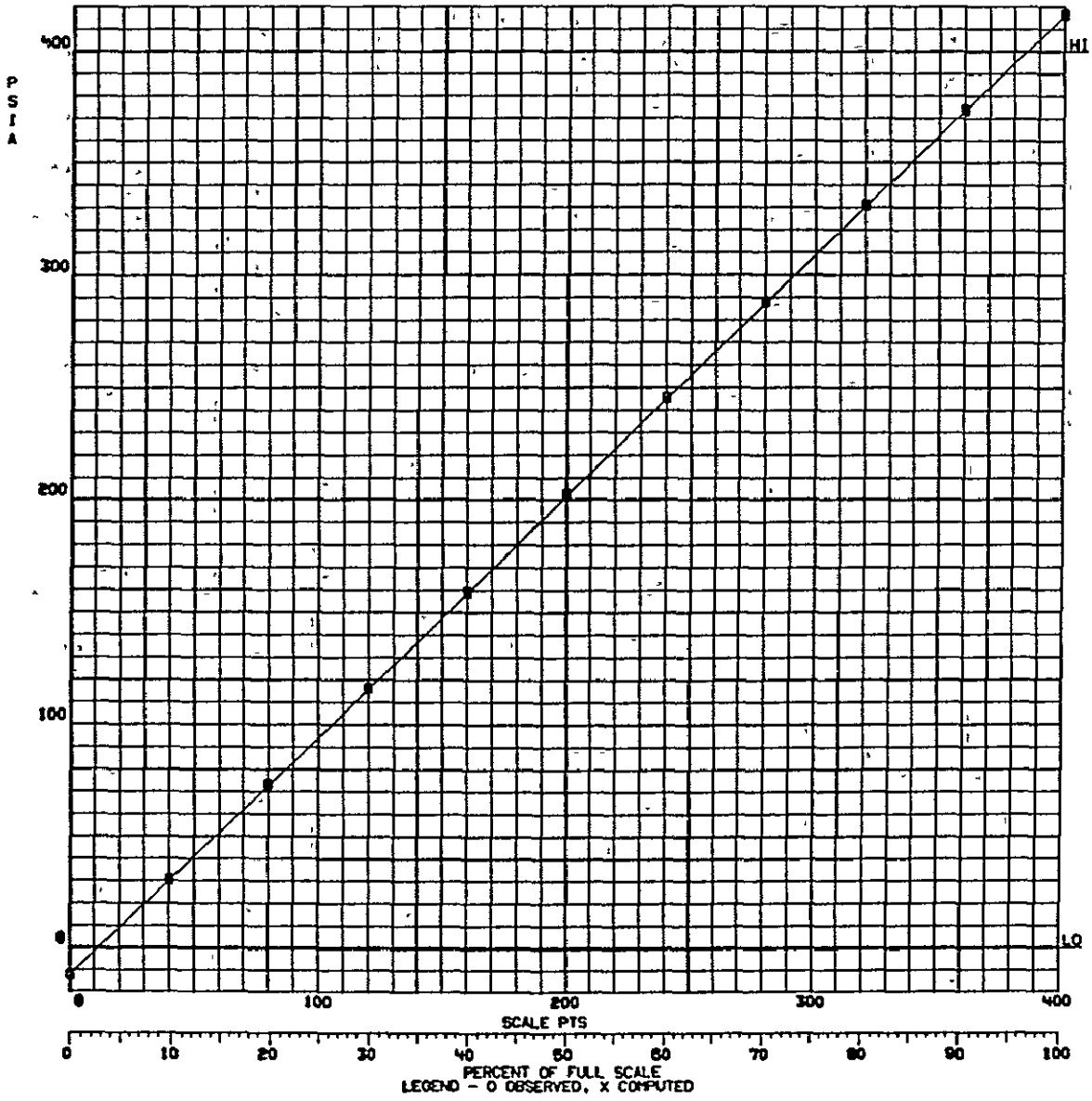
PRESS CM-RCS HE MANIF. 2 DSPLY
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB.-NO.	SERIAL NO.
54784- 1	10308603153A
80493- 1	09760393811 4

0459-77-03
0000 0358

RANGE
0.0
TO
400.0



EQUATION COEFFICIENTS
A_0=-1.248E 01
A_1= 1.073E 00

SIGMA=.00000
SIGMA/RANGE=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R0038P- 1-0

LOADING NO.
M2P2

MINIMUM LOADING NO.

06/29/71
5 . 0

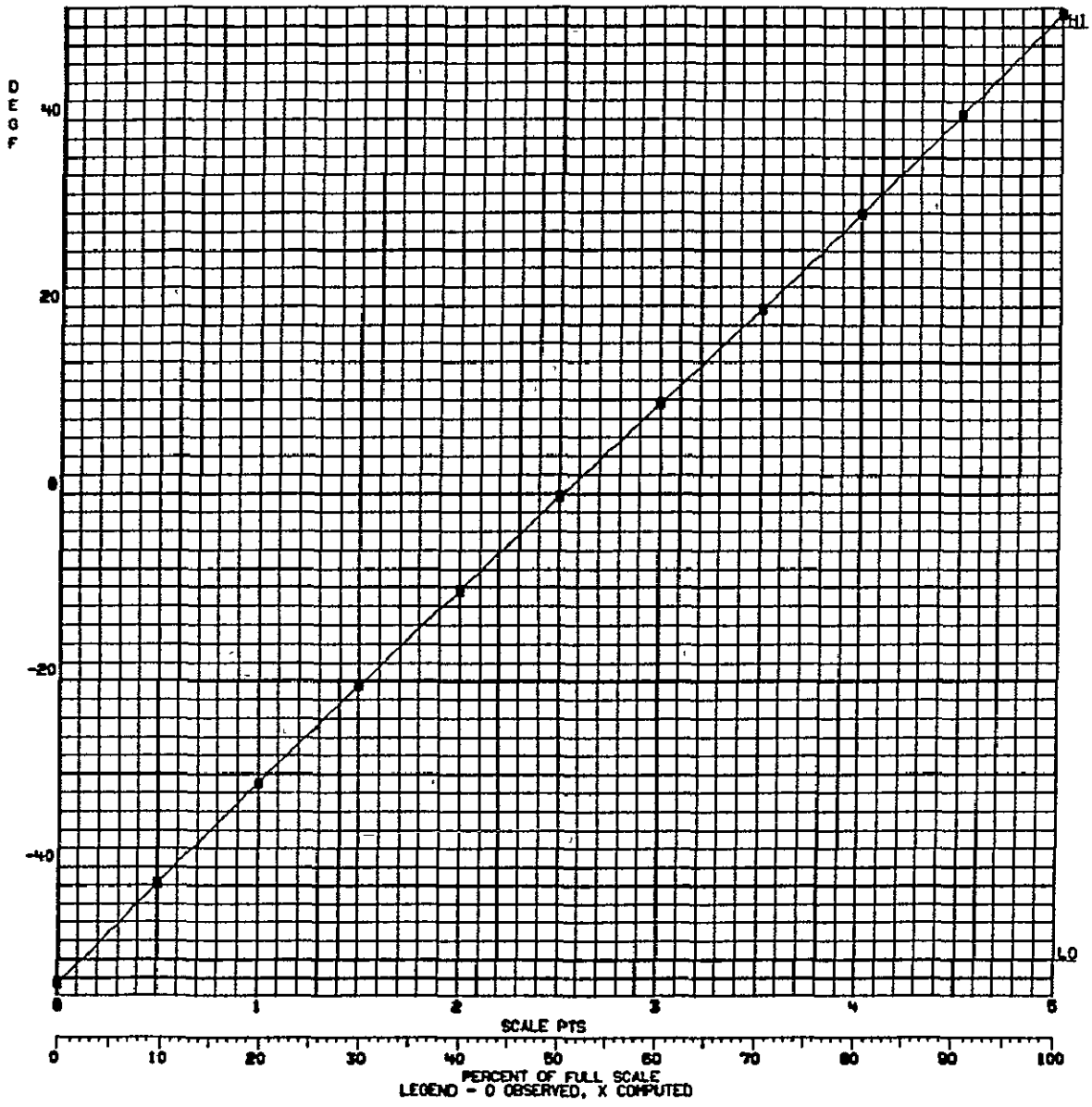
TEMP 14 ENG INJECTOR SYS 1
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76731- 1	10095442267A
04865- 1	097602221110

0459-77-03
0000 0359

RANGE
-50.00
TO
50.00



EQUATION COEFFICIENTS

A_0=-5.269E 01
A_1= 2.155E 01
A_2= 8.998E-01
A_3=-9.419E-01
A_4= 2.402E-01
A_5=-1.877E-02

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R2100T- 2-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

06/29/71
5 . 0

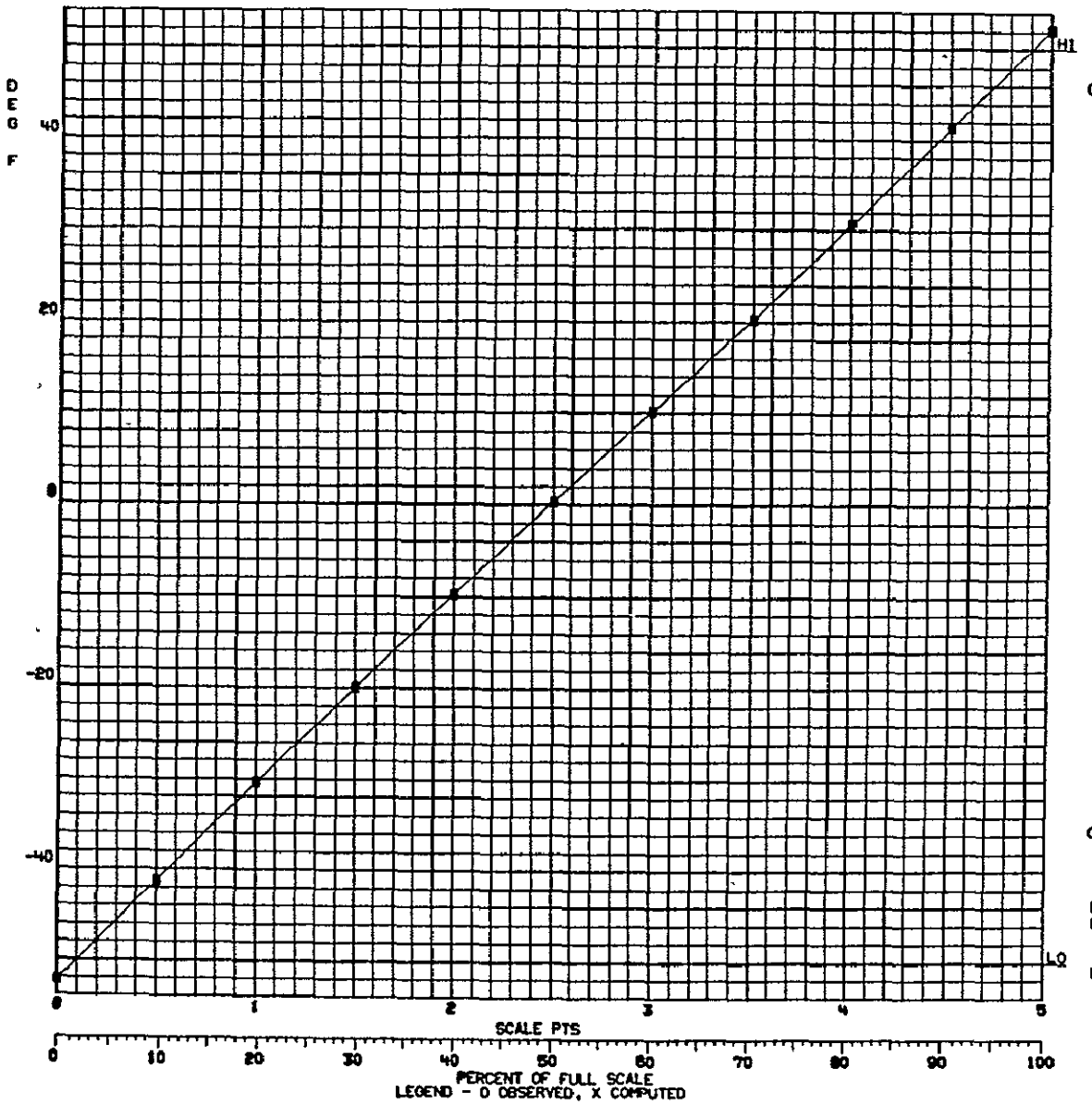
TEMP 16 ENG INJECTOR SYS 1
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO
76693- 1	10308612563A
04865- 1	097602221110

0459-77-03
0000 0360

RANGE
-50.00
TO
50.00



EQUATION COEFFICIENTS

A_0=-5 228E 01
A_1= 2.164E 01
A_2= 9 034E-01
A_3=-9.457E-01
A_4= 2.412E-01
A_5=-1.885E-02

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R2103T- 2-0

LOADING NO.
MHP101

MINIMUM LOADING NO

7 C51

06/29/71
5 . 0

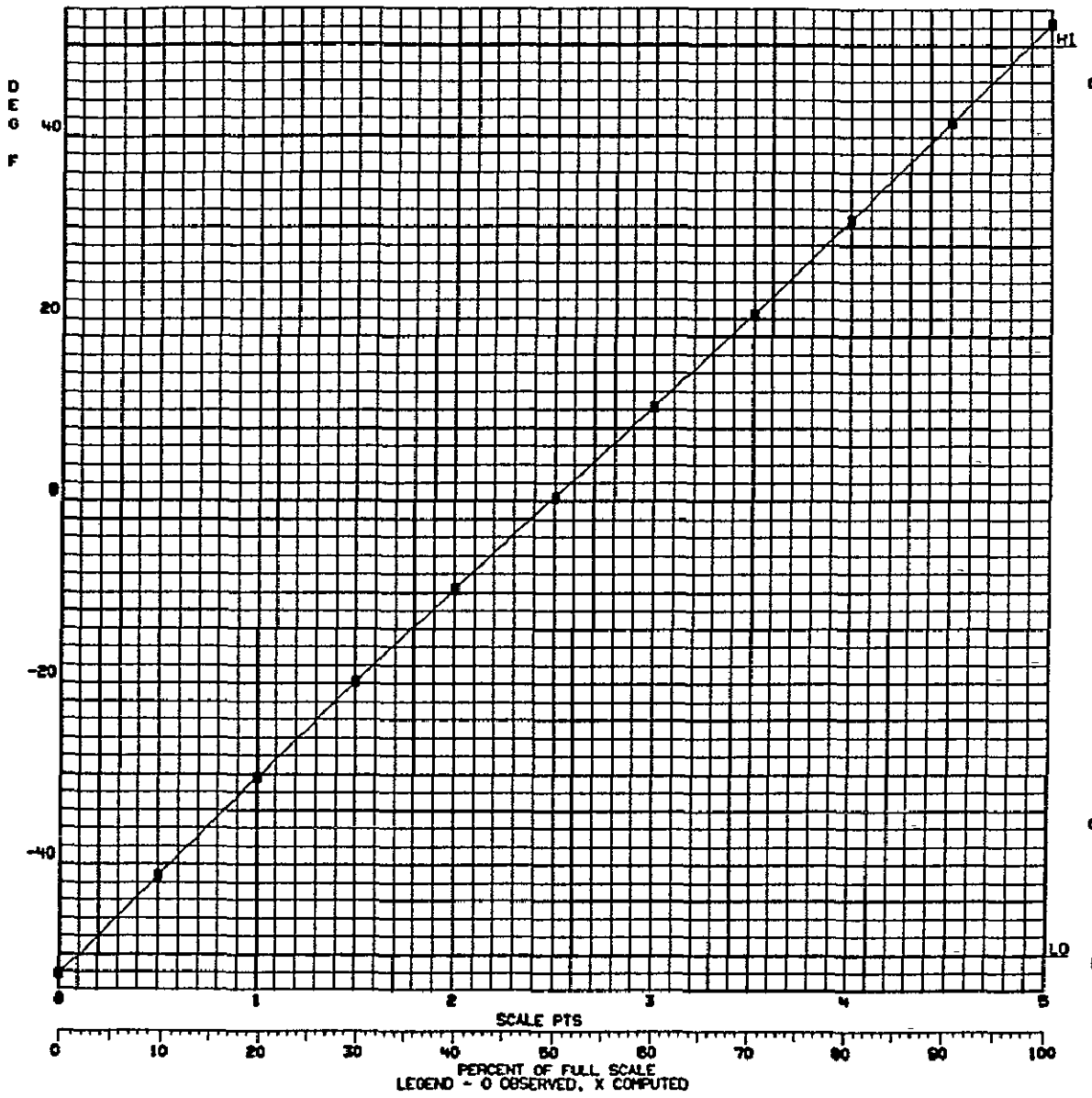
TEMP 24 ENG INJECTOR SYS 2
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76694- 1	10308812567A
04865- 1	097602221110

0459-77-03
0000 0361

RANGE
-50.00
TO
50.00



EQUATION COEFFICIENTS

A_0=-5.230E 01
A_1= 2.169E 01
A_2= 9.053E-01
A_3=-9.477E-01
A_4= 2.417E-01
A_5=-1.899E-02

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R2110T- 2-0

LOADING NO.
MHP101

MINIMUM LOADING NO

06/29/71
5 . 0

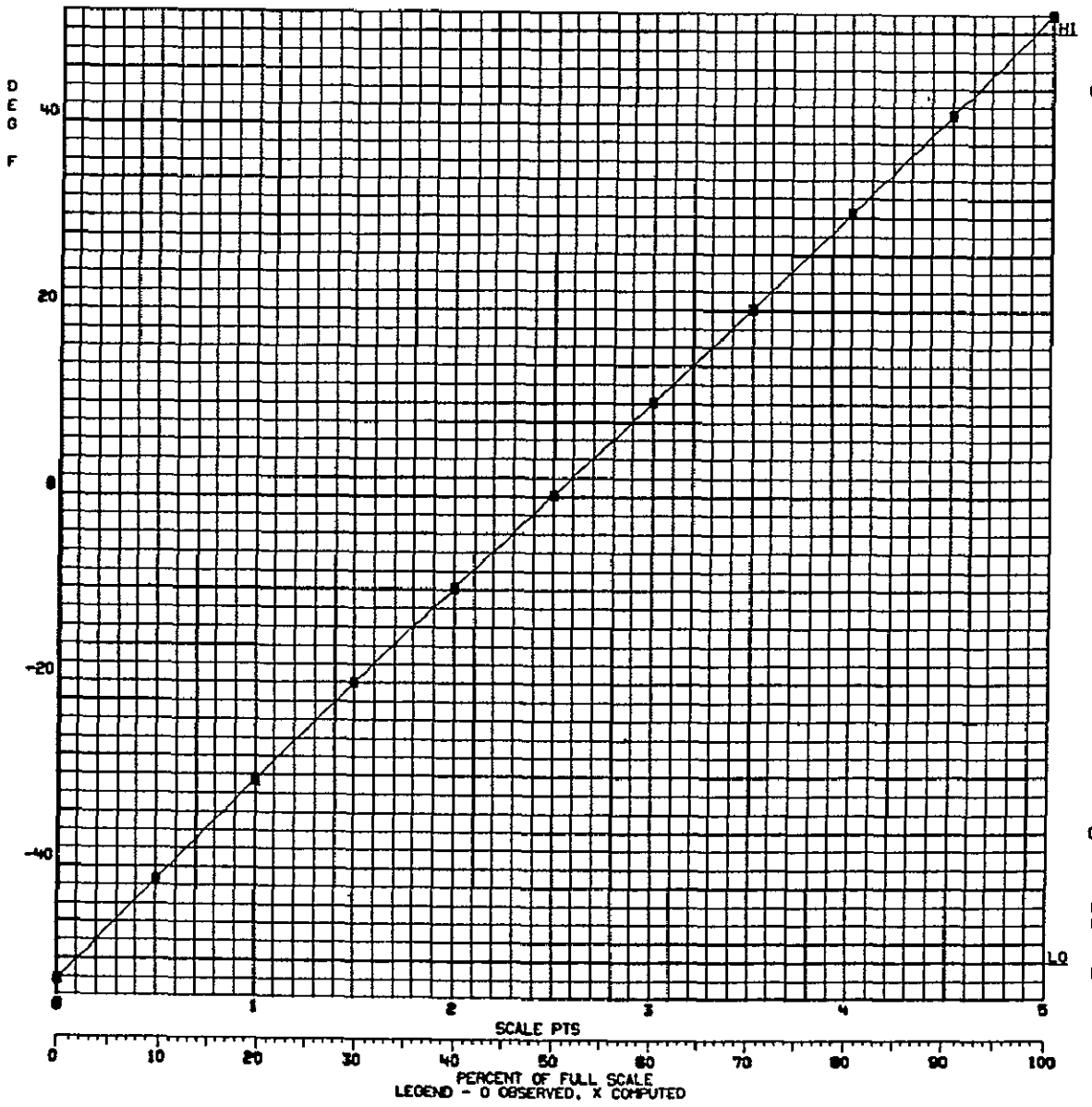
TEMP 12 ENG INJECTOR SYS 1
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
57089- 4	100950718Z8A
04865- 1	097602221110

0459-77-03
0000 0362

RANGE
-50.00 ,
TO
50.00



EQUATION
COEFFICIENTS

A_0=-5 234E 01
A_1= 2.161E 01
A_2= 9.020E-01
A_3=-9.442E-01
A_4= 2.408E-01
A_5=-1.882E-02

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C R2114T- 2-0

LOADING NO.
M+P101

MINIMUM
LOADING NO

06/29/71
5 . 0

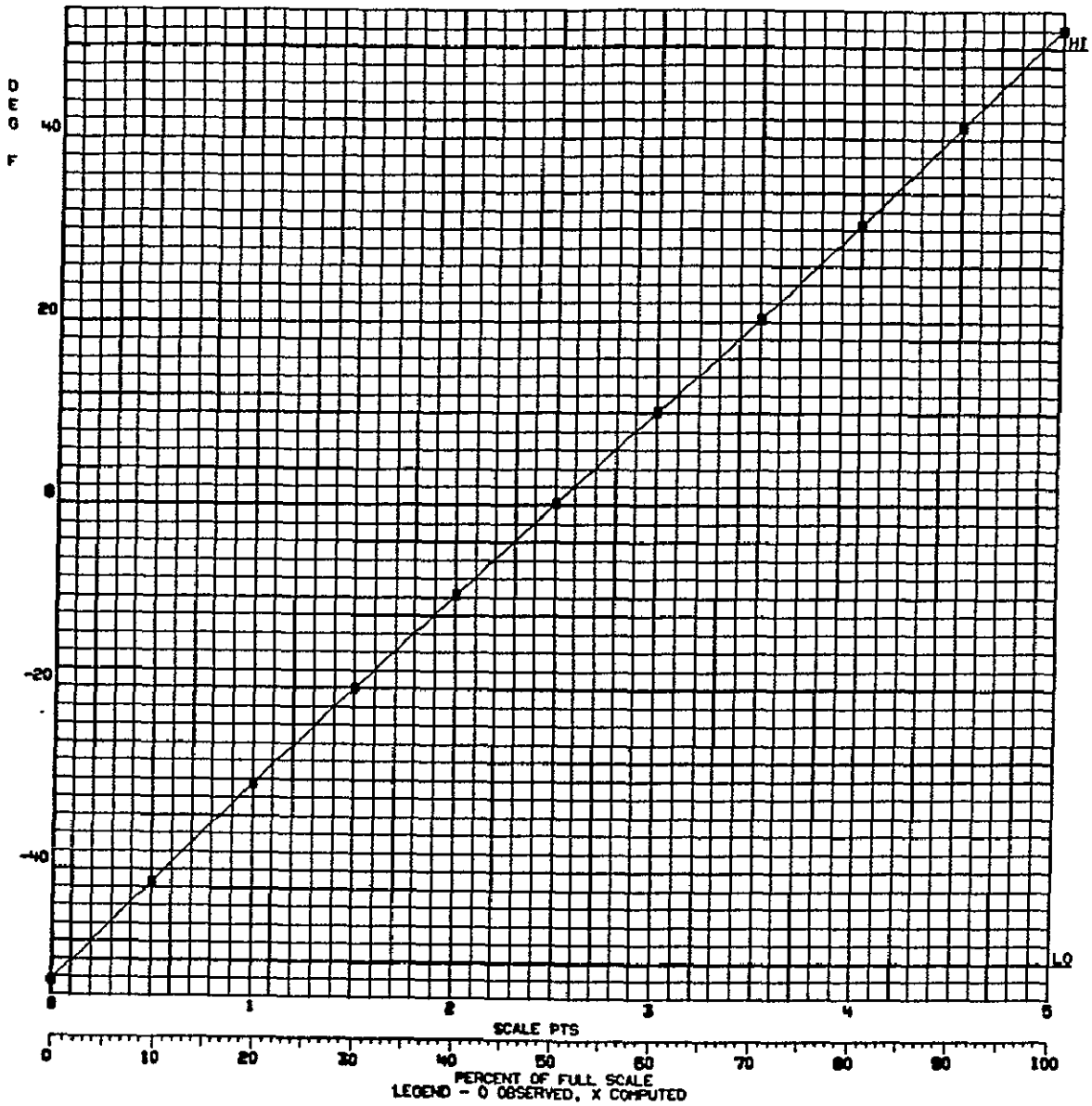
TEMP 25 ENG INJECTOR SYS 2
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
57074- 4	10095071813A
04965- 1	097802221110

0459-77-03
0000 0363

RANGE
-50.00
TO
50.00



EQUATION COEFFICIENTS

A_0=-5.236E 01
A_1= 2.163E 01
A_2= 9.031E-01
A_3=-9.453E-01
A_4= 2.411E-01
A_5=-1.884E-02

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R2116T- 2-0

LOADING NO.
M+P101

MINIMUM LOADING NO.

06/29/71
5 . 0

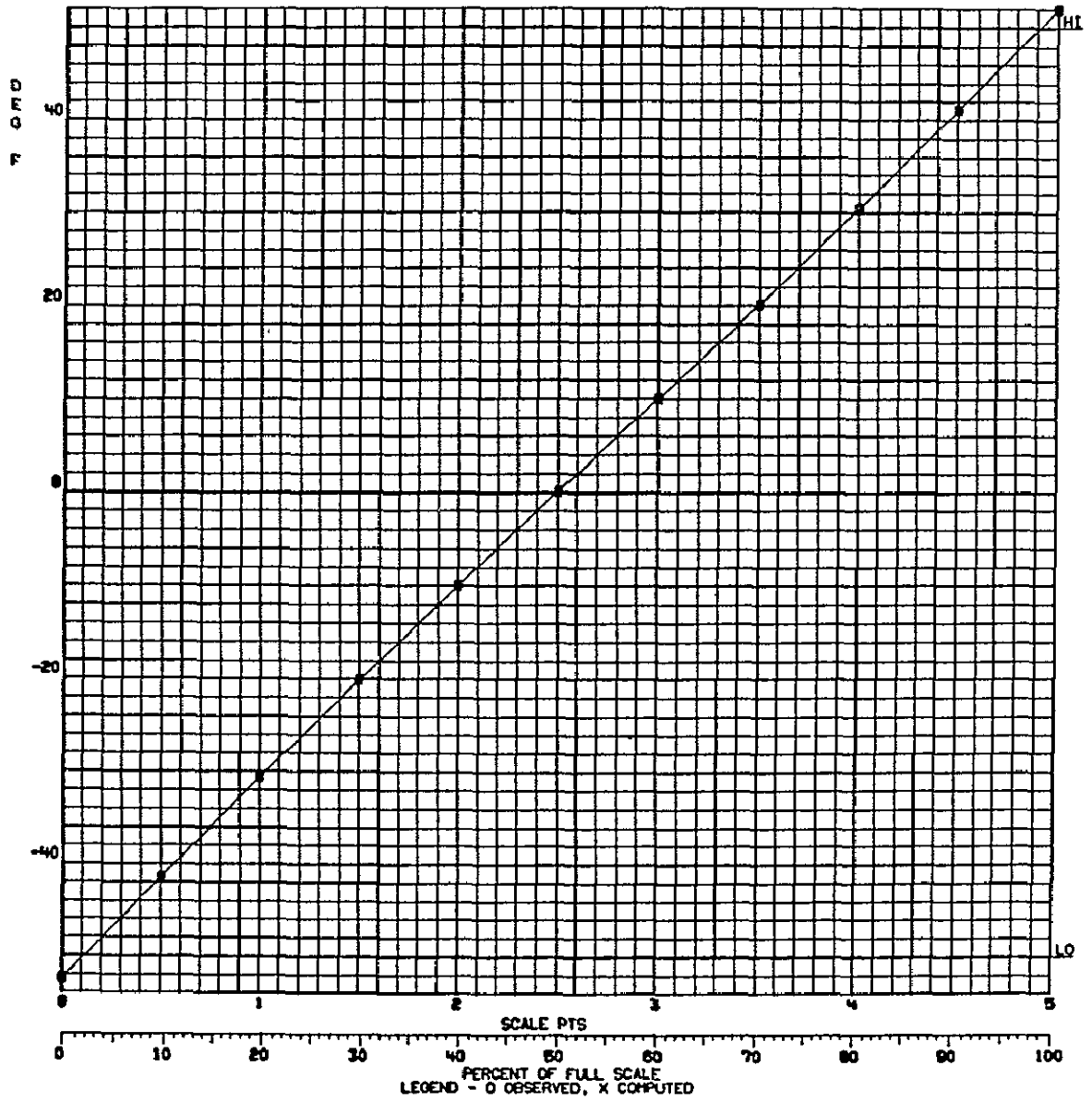
TEMP 21 ENG INJECTOR SYS 2
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
57201- 4	100950718 18A
04865- 1	097602221110

0459-77-03
0000 0364

RANGE
-50.00
TO
50.00



EQUATION COEFFICIENTS

A_0= -5 246E 01
A_1= 2.163E 01
A_2= 9.029E-01
A_3= -9.452E-01
A_4= 2.410E-01
A_5= -1.884E-02

SIGMA=.00000
SIGMA/RANGE=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C R2119T- 2-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

08/09/71
5 . 1

S-BAND REC 1-2 AGC VOLTAGE

INSTALLATION DATE OCT. 30,1970

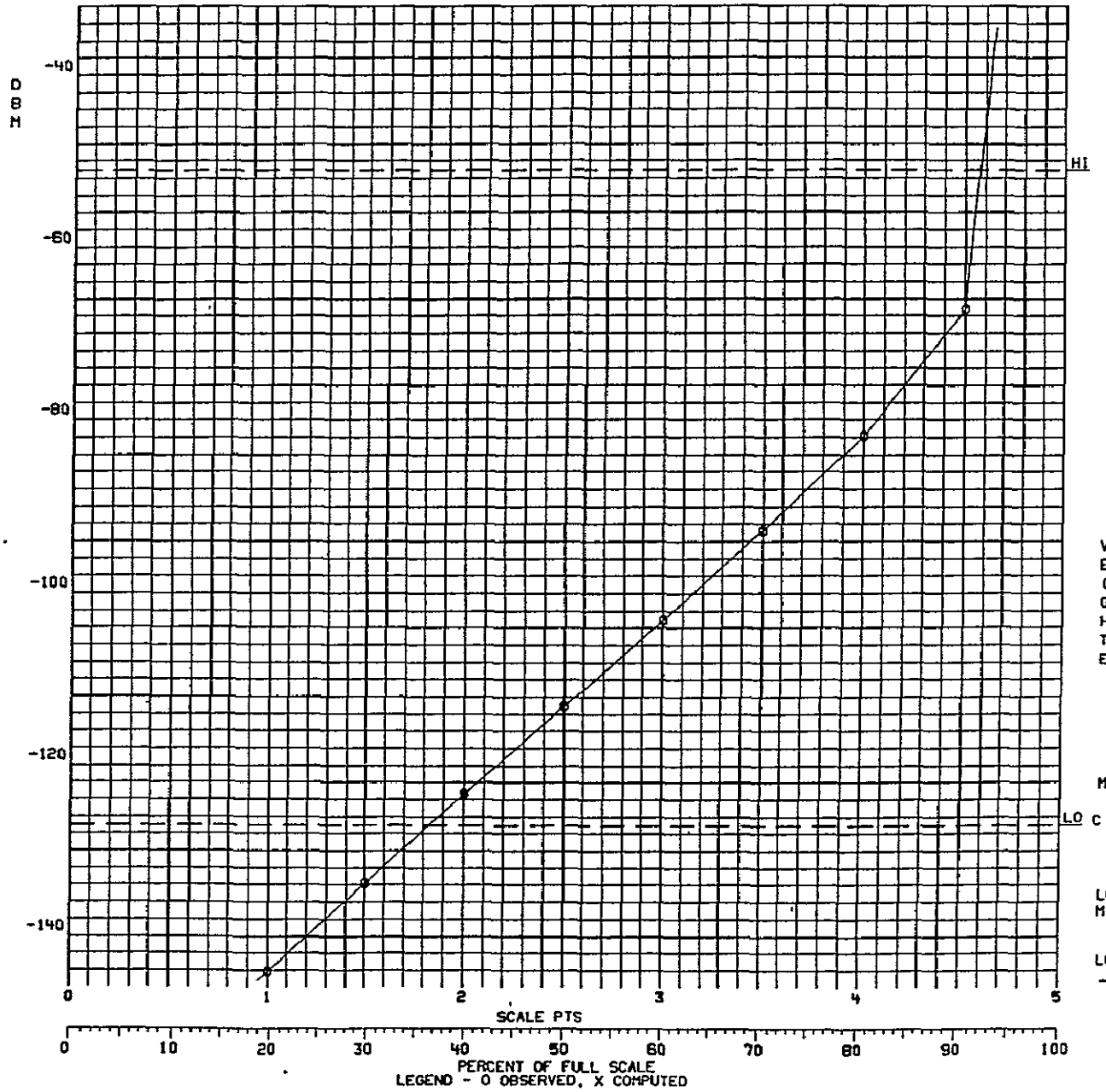
SC-113

HARDWARE CALIB. NO.	SERIAL NO.
82040- 1	06141802000B
77836- 1	097601201117

0459-77-53
0000 0020

RANGE
-127.0
TO
-51.00

PIECE-WISE
CURVE FIT



VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C T0620E-12-0

LOADING NO
M17P2

MINIMUM
LOADING NO

This is a multiple mode measurement. It is one of two options. Transponder selection is established during flight.

08/09/71
5 . 1

S-BAND REC 1-2 AGC VOLTAGE
INSTALLATION DATE OCT. 30,1970

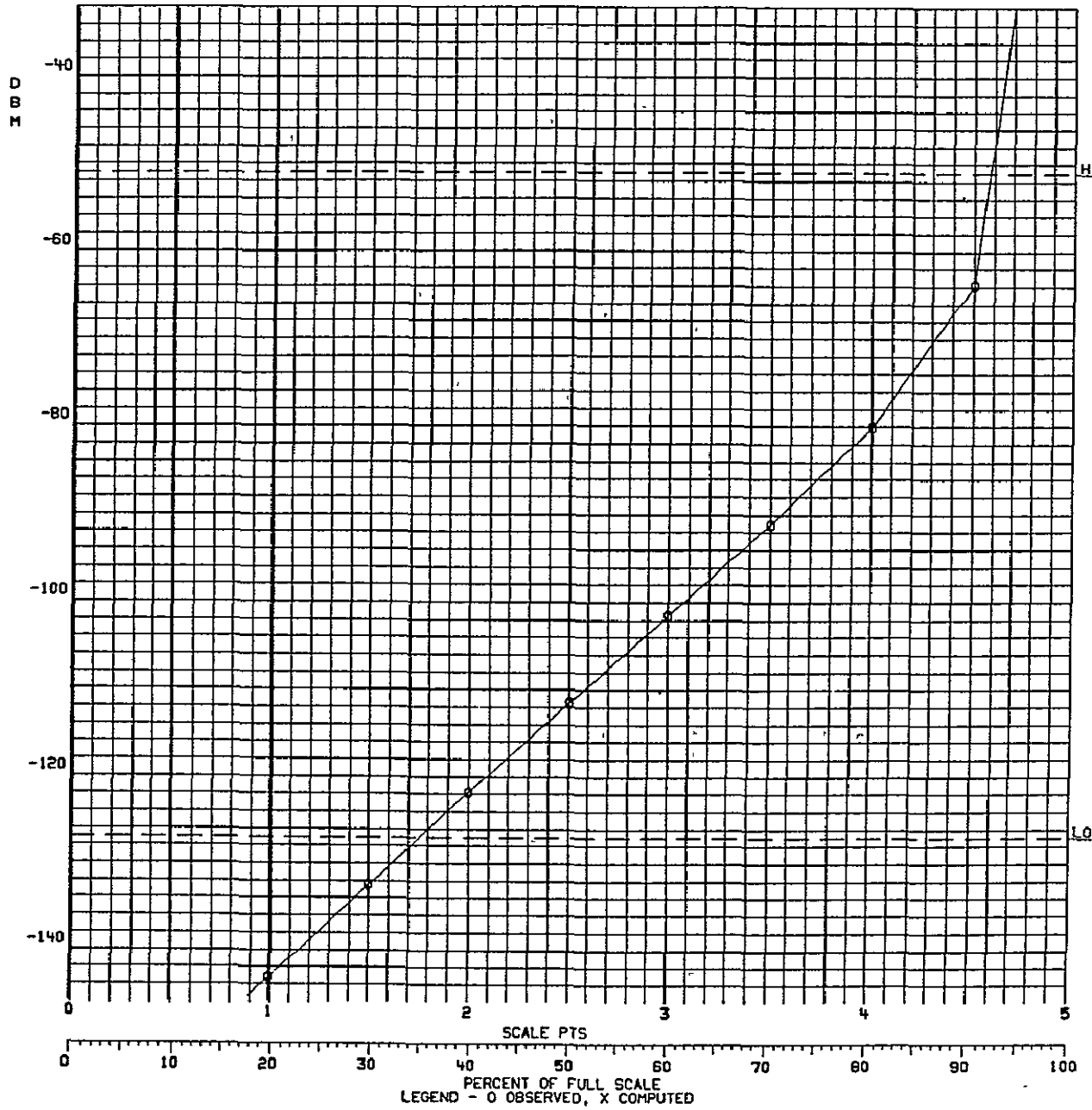
SC-113

HARDWARE CALIB. NO.	SERIAL NO.
82039- 1	061418020008
77836- 1	097601201117

0459-77-5
0000 0021

RANGE
-127.0
TO
-51 00

PIECE-WISE
CURVE FIT



VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C T0620E-22-0

LOADING NO
M17P2

MINIMUM
LOADING NO

This is a multiple mode measurement. It is two of two of two options. Transponder selection is established during the flight.

10/23/71
1 . 0

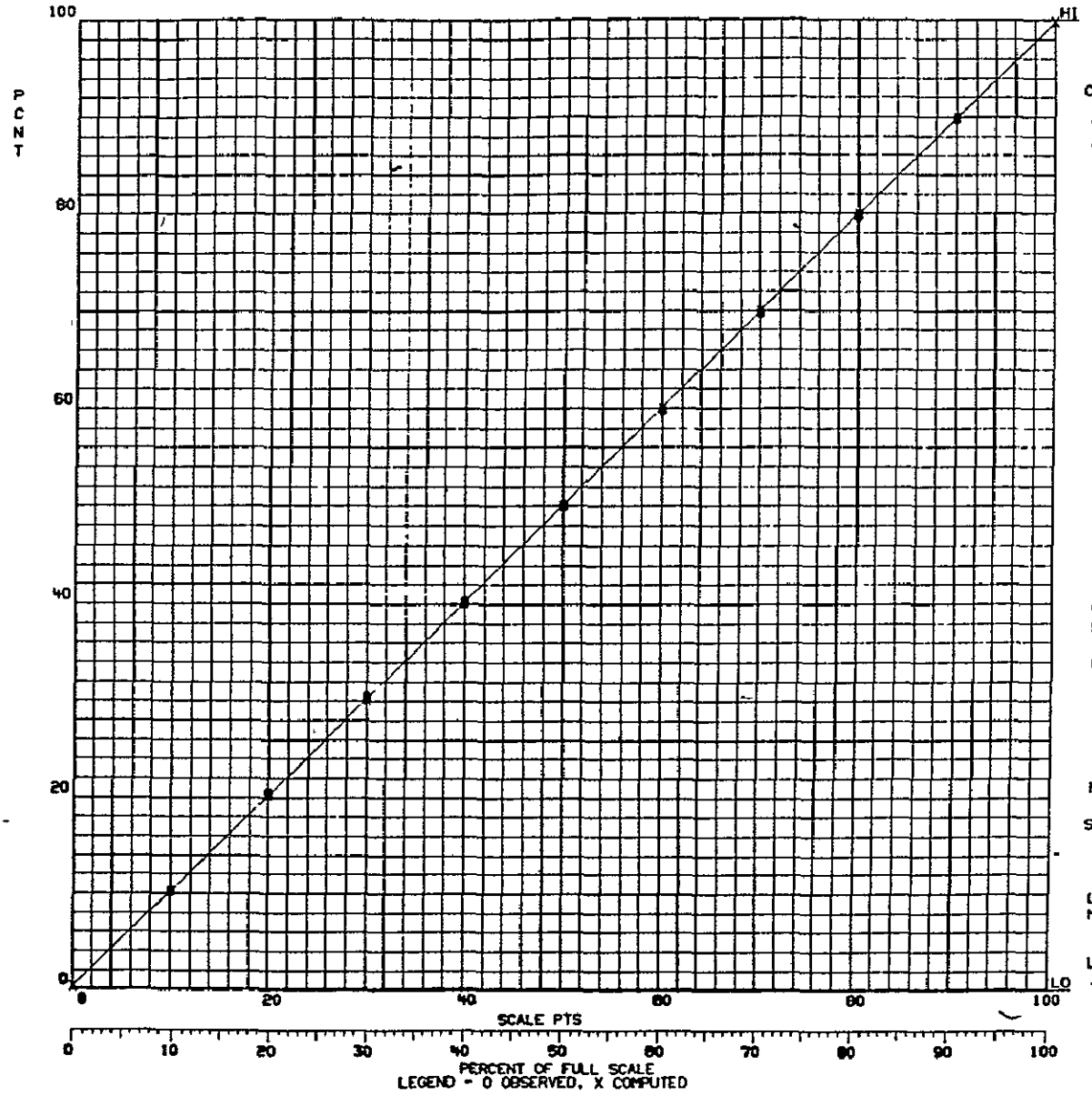
SC-113

0459-77-72
0000 0011

QUANTITY H2 TANK 1
INSTALLATION DATE SEP. 7,1971

HARDWARE CALIB NO	SERIAL NO
78832- 1	1002HHTA0026
78842- 2	1002HHAR0033
81051- 1	097603812131

RANGE
0 0
TO
100 0



EQUATION COEFFICIENTS

A_0= 2 405E-01
A_1= 9 958E-01

SIGMA= 23482

$\frac{SIGMA}{RANGE}$= 00235

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0030Q- 2-0

LOADING NO
M7P2

MINIMUM LOADING NO

10/23/71
5 . 0

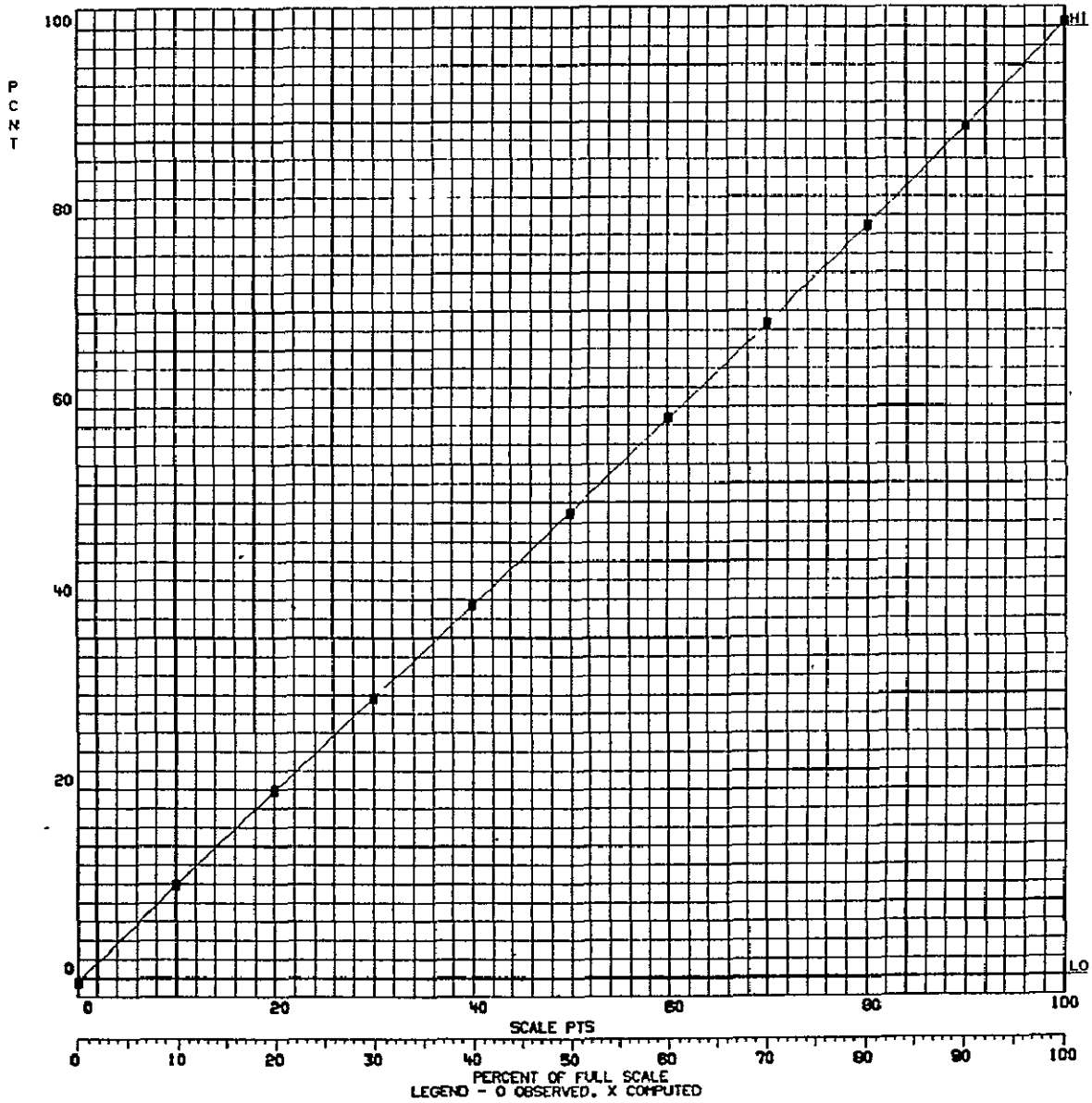
SC-113

0459-77-7E
0000 0012

QUANTITY H2 TANK 2
INSTALLATION DATE SEP 7,1971

HARDWARE CALIB NO	SERIAL NO
78843- 1	10024HTA0032
78844- 2	10024HAR0034
81052- 1	097603812131

RANGE
0 0
TO
100 0



EQUATION COEFFICIENTS

A_0=-4 120E-01
A_1= 1 047E 00
A_2=-2 086E-03
A_3= 2 001E-05
A_4=-4 739E-08
A_5= 1 787E-10

SIGMA= 00012

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C00310- 2-0

LOADING NO
M7P2

MINIMUM LOADING NO

06/29/71
1 . 0

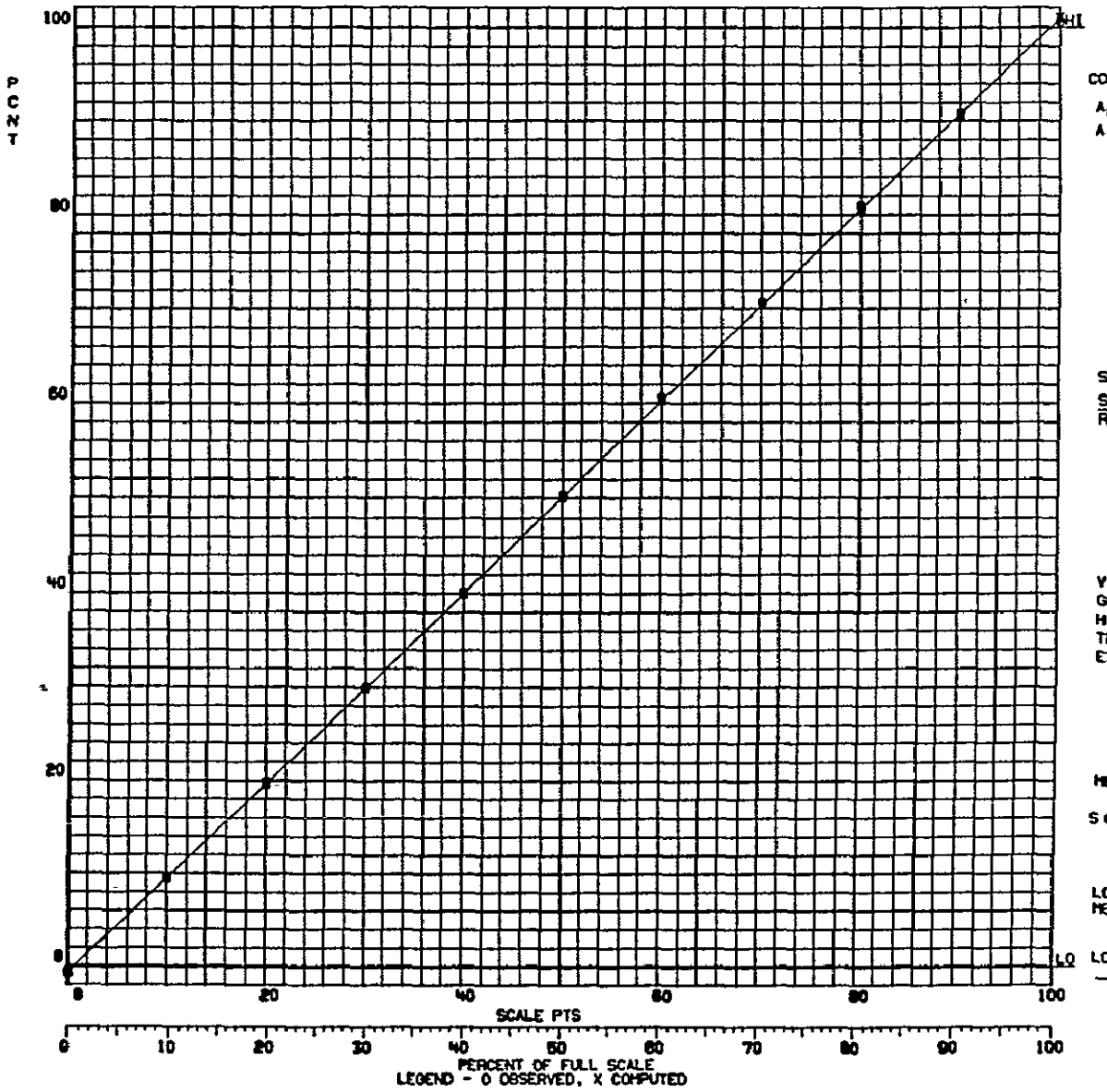
SC-113

0459-77-03
0000 0262

QUANTITY O2 TANK 1
INSTALLATION DATE MAY. 20.1971

HARDWARE CALIB. NO	SERIAL NO:
76873- 1	10024XAR0027
76874- 1	10024XAR0027
04442- 1	097603812107

RANGE
0 0
TO
100.0



EQUATION COEFFICIENTS
A_0=-5.610E-01
A_1= 1.015E 00

SIGMA=.16597
SIGMA/RANGE= 00163

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0032Q- 1-0

LOADING NO.
MSP2

MINIMUM LOADING NO.

7 080

06/29/71
5.0

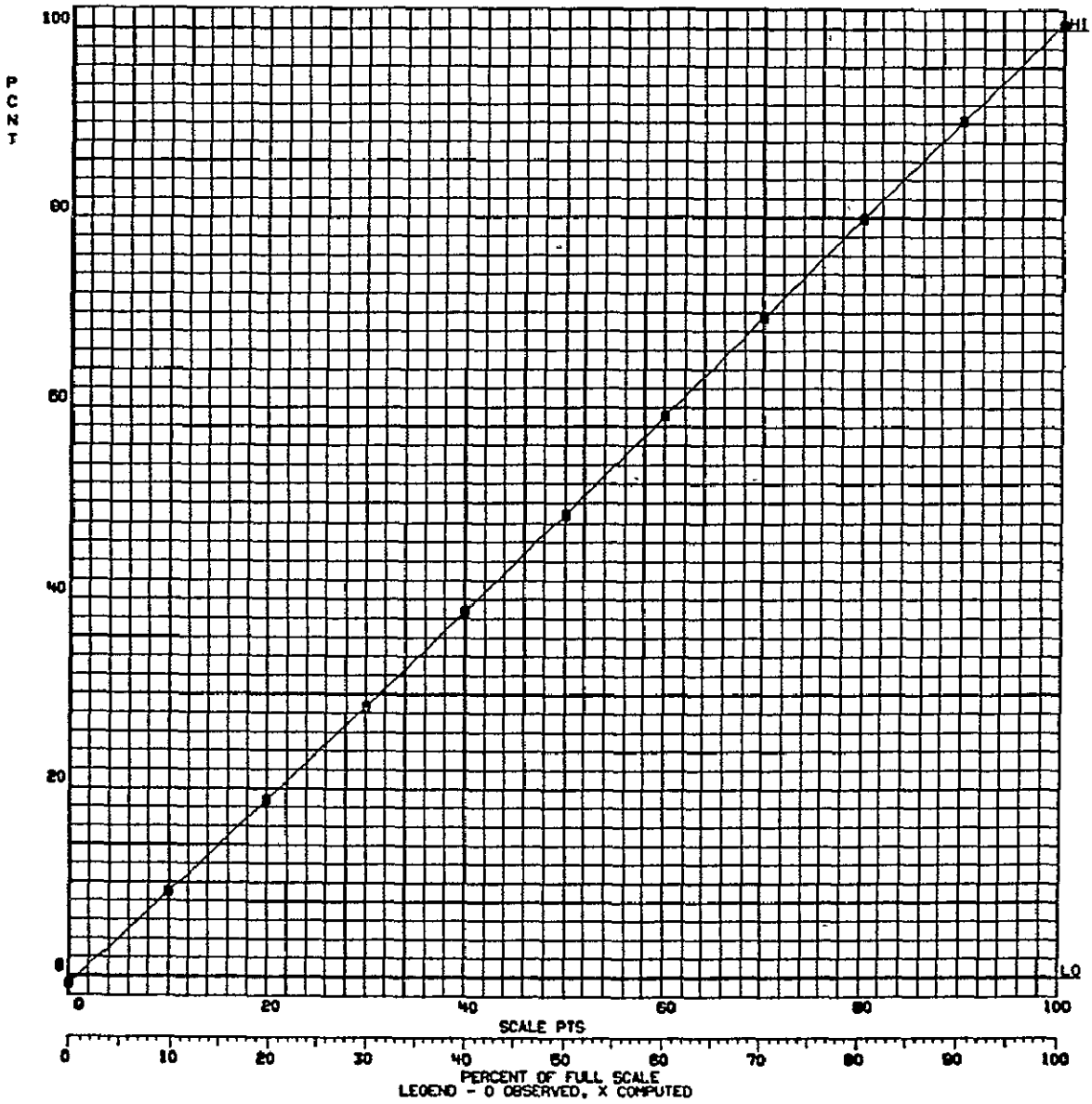
QUANTITY O2 TANK 2
INSTALLATION DATE, MAY. 20,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78875- 1	10024XAR0033
78876- 1	10024XAR0033
04443- 1	097603812107

0459-77-03
0000 0263

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-8.530E-01
A_1= 9.939E-01
A_2=-1.295E-03
A_3= 4.351E-05
A_4=-4.156E-07
A_5= 1.292E-09

SIGMA=.01087

$\frac{SIGMA}{RANGE}$=.00010

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0033Q- 1-0

LOADING NO
MBP2

MINIMUM LOADING NO.

06/29/71
5 . 1

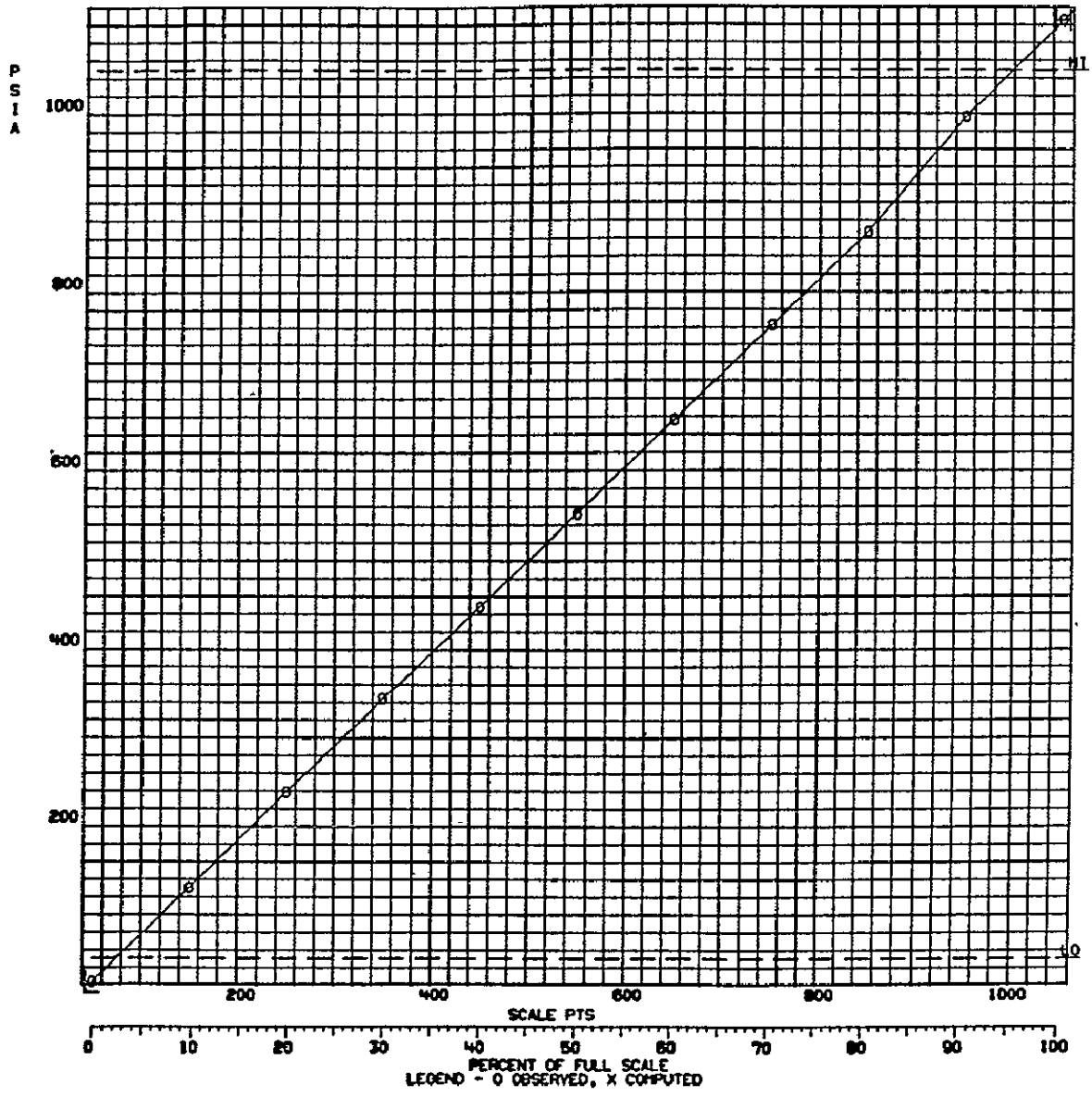
SC-113

0459-77-03
0000 0264

PRESS 02 TANK 1
INSTALLATION DATE MAY. 20,1971

HARDWARE CALIB. NO.	SERIAL NO.
#1542- 2	06553J041807
#0524- 2	097603810112

RANGE
50.00
TO
1050.



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND HI OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S C0037P- 1-0

LOADING NO.
MSP2

MINIMUM
LOADING NO.

06/29/71
1 . 0

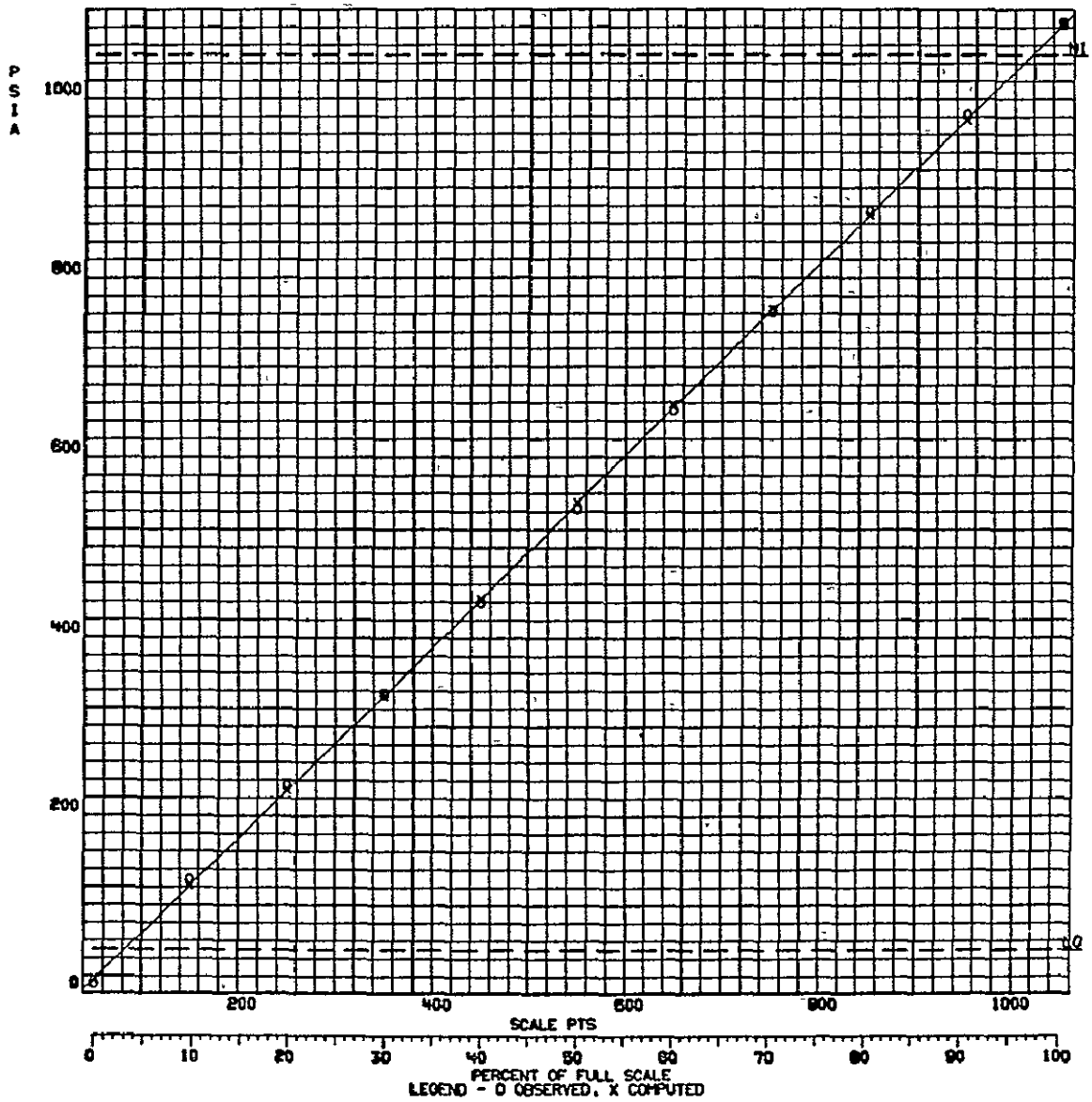
PRESS 02 TANK 2
INSTALLATION DATE MAY. 20;1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81543- 2	06553J041807
80525- 1	097603810112

0459-77-03
0000 0265

RANGE
50.00
TO
1050.



EQUATION COEFFICIENTS

A_0=-3 827E 01
A_1= 1.069E 00

SIGMA=3.9037

$\frac{SIGMA}{RANGE}$=.00365

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0038P- 1-0

LOADING NO.
M6P2

MINIMUM LOADING NO.

09/19/71
1 . 0

PRESS H2 TANK 1
INSTALLATION DATE OCT. 1.1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
79186- 1	08553J220005
80650- 1	09760381113

0459-77-64-
0000 0006

RANGE
0.0
TO
350.0

EQUATION
COEFFICIENTS
A_0=-1.103E 01
A_1= 1.060E 00

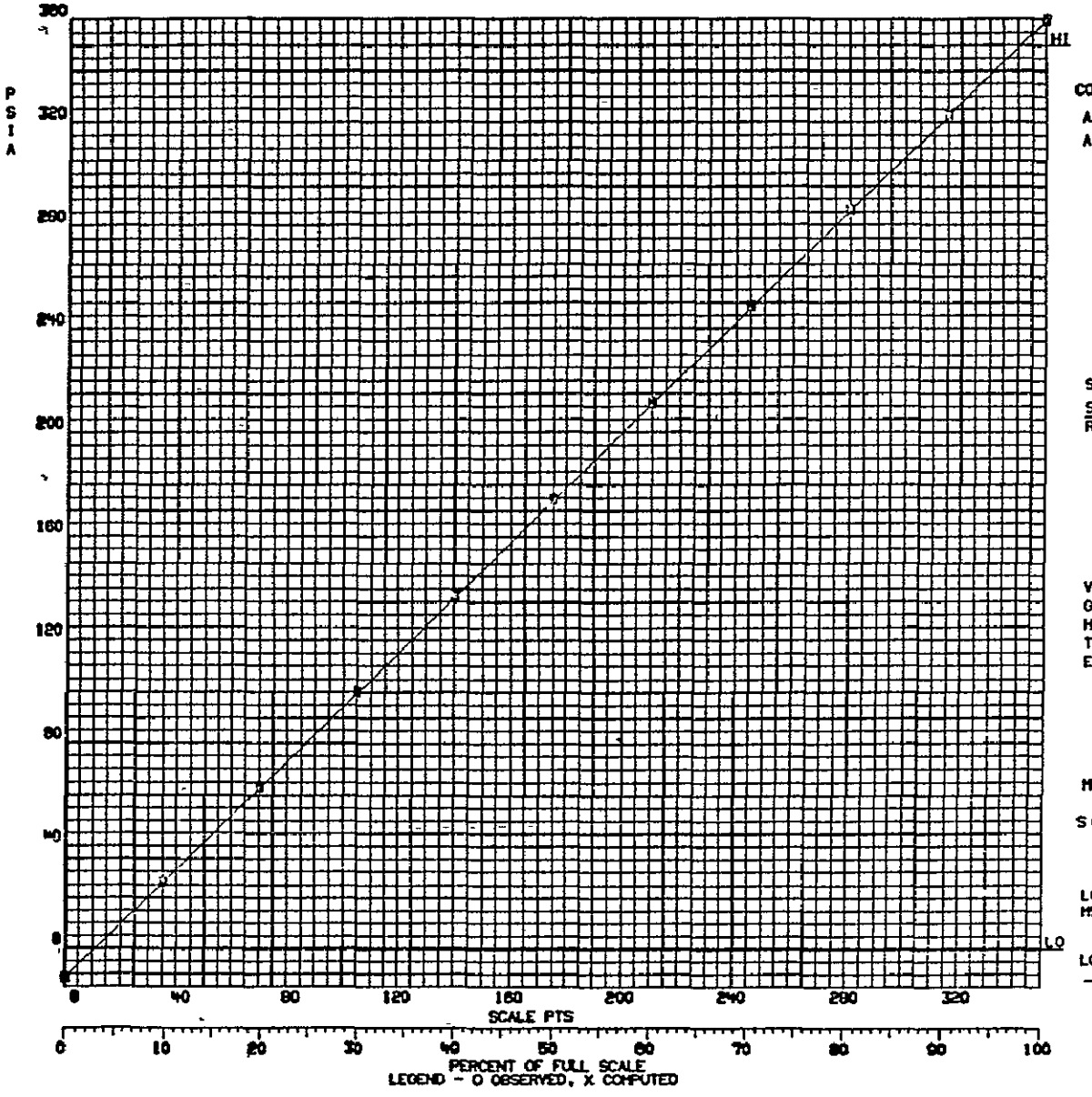
SIGMA=.00000
SIGMA/RANGE=.00000

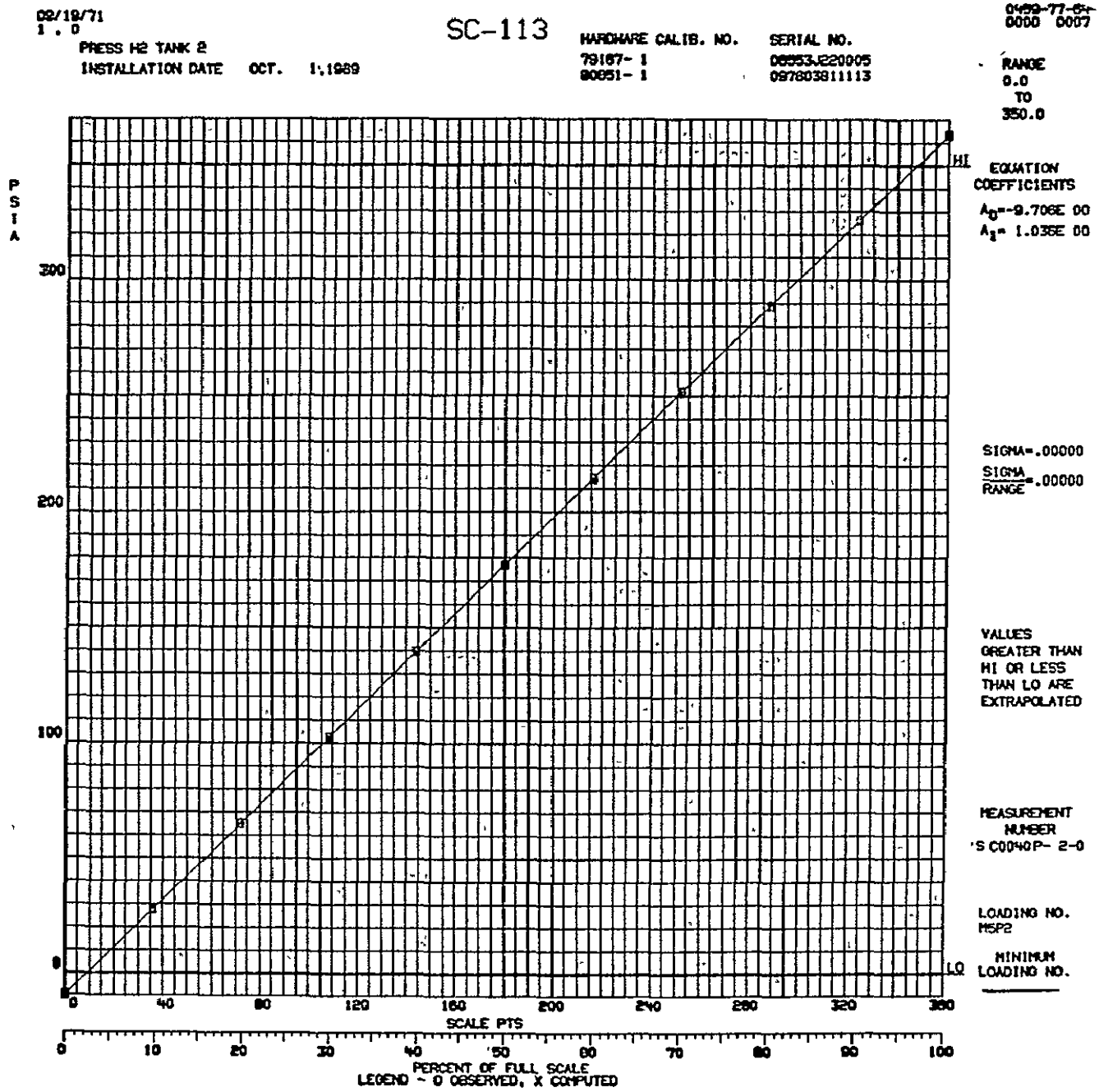
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S C0039P- 2-0

LOADING NO.
H5P2

MINIMUM
LOADING NO.




02/19/71
1.0
SC-113
0499-77-64
0000 0007
PRESS H2 TANK 2
INSTALLATION DATE OCT. 1,1969
HARDWARE CALIB. NO.
79167- 1
80051- 1
SERIAL NO.
08553J220005
097803811113
RANGE
0.0
TO
350.0
EQUATION
COEFFICIENTS
A_0=-9.706E 00
A_1= 1.036E 00
SIGMA=.00000
SIGMA/RANGE=.00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
'S C0040P- 2-0
LOADING NO.
MSP2
MINIMUM
LOADING NO.
PSIA
300
200
100
0
HI
LO
0
40
80
120
160
200
240
280
320
360
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

07/28/71
5 . 0

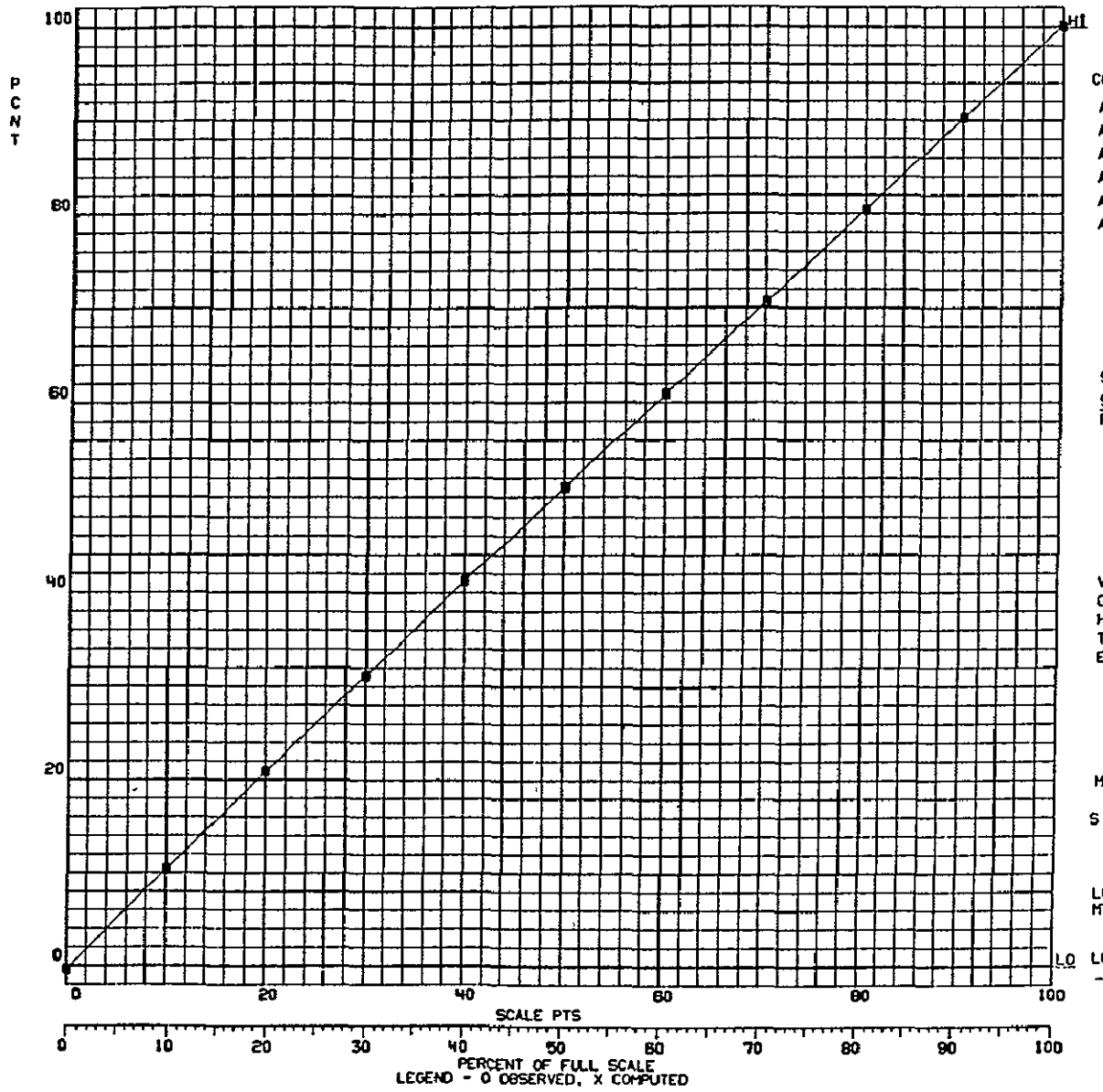
QUANTITY H2 TANK 3
INSTALLATION DATE MAY. 7,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO
78744- 1	10024HTA0033
78008- 1	10024HAR0046
81052- 1	097603812131

0459-77-45
0000 0005

RANGE
0.0
TO
100 0



EQUATION COEFFICIENTS

A_0=-3.925E-01
A_1= 1.094E 00
A_2=-1.759E-03
A_3= 9 775E-06
A_4=-1.256E-08
A_5= 1 057E-11

SIGMA= 00001

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C00500- 2-0

LOADING NO.
M7P2

MINIMUM LOADING NO.

06/29/71
5 . 0

QUANTITY O2 TANK 3

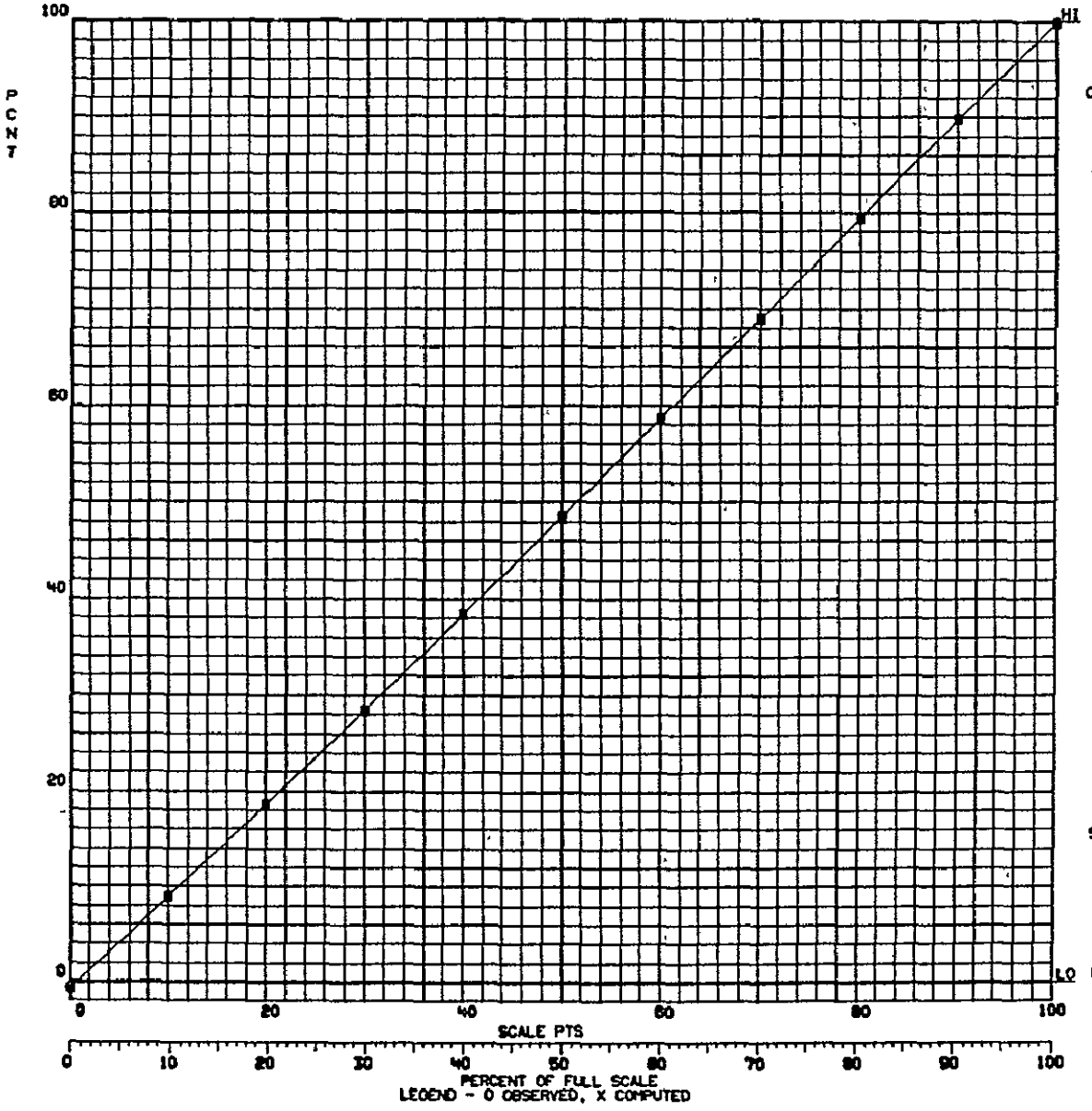
INSTALLATION DATE MAY. 7,1971

SC-113

HARDWARE CALIB NO.	SERIAL NO.
78738- 1	10024XAR0024
78739- 1	10024XAR0024
04443- 1	097603812107

0459-77-03
0000 0269

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-7.069E-01
A_1= 9.549E-01
A_2= 7.565E-04
A_3=-1.197E-05
A_4= 2.282E-07
A_5=-1.334E-09

SIGMA=.00033

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0051Q-'1-0

LOADING NO.
MBP2

MINIMUM LOADING NO.

06/29/71
1 , 0

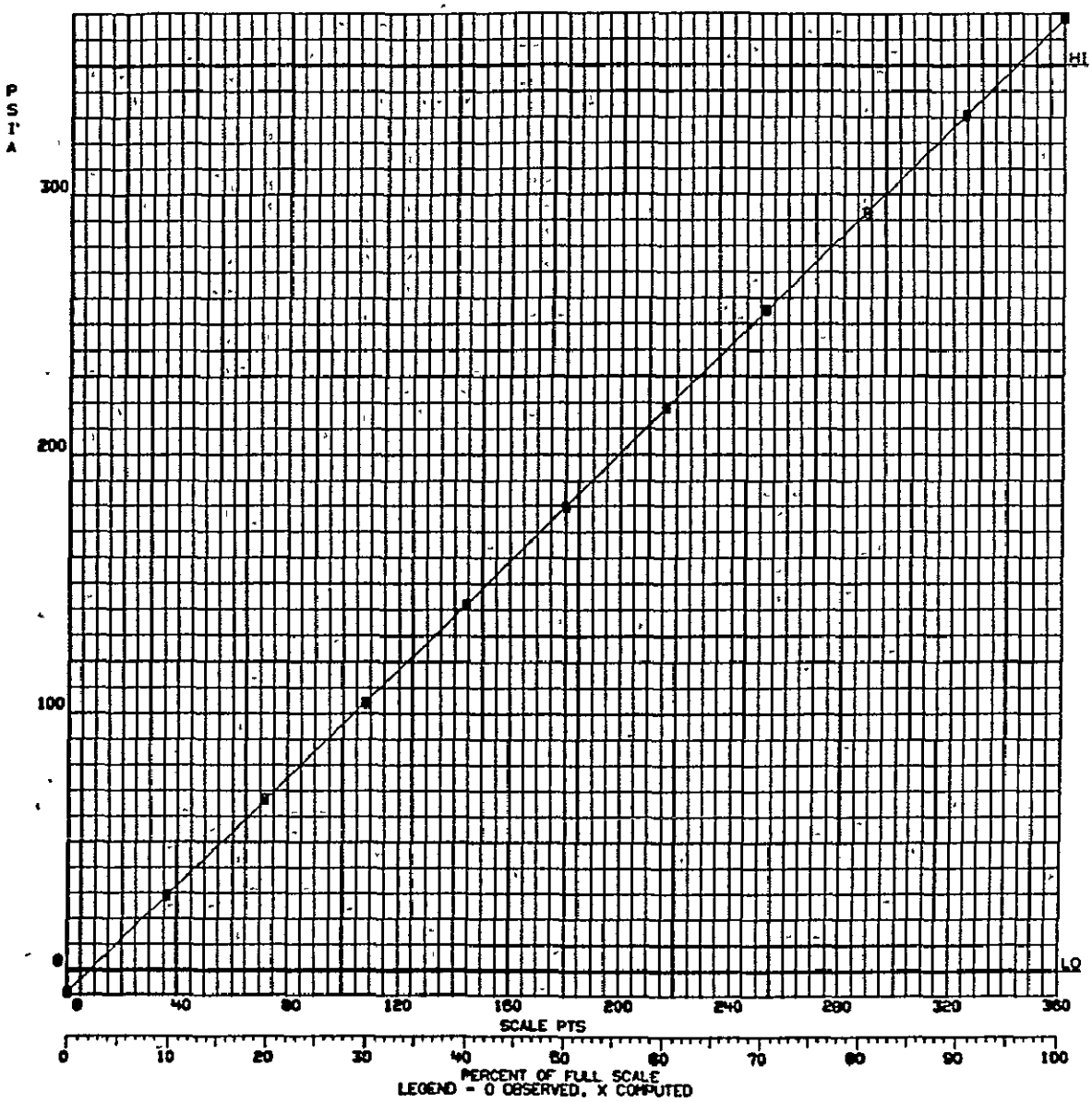
- SC-113

0459-77-03
0000 0270

PRESSURE H2 TANK 3
INSTALLATION DATE MAY. 7,1971

HARDWARE-CALIB. NO.	SERIAL NO.
82225- 2	06553H500105
80651- 1	097603811113

RANGE
0.0
TO
350.0



EQUATION COEFFICIENTS
A_0=-8 886E 00
A_1= 1.048E 00

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0052P- 1-0

LOADING NO.
M5P2

MINIMUM LOADING NO.

06/29/71
1 . 0

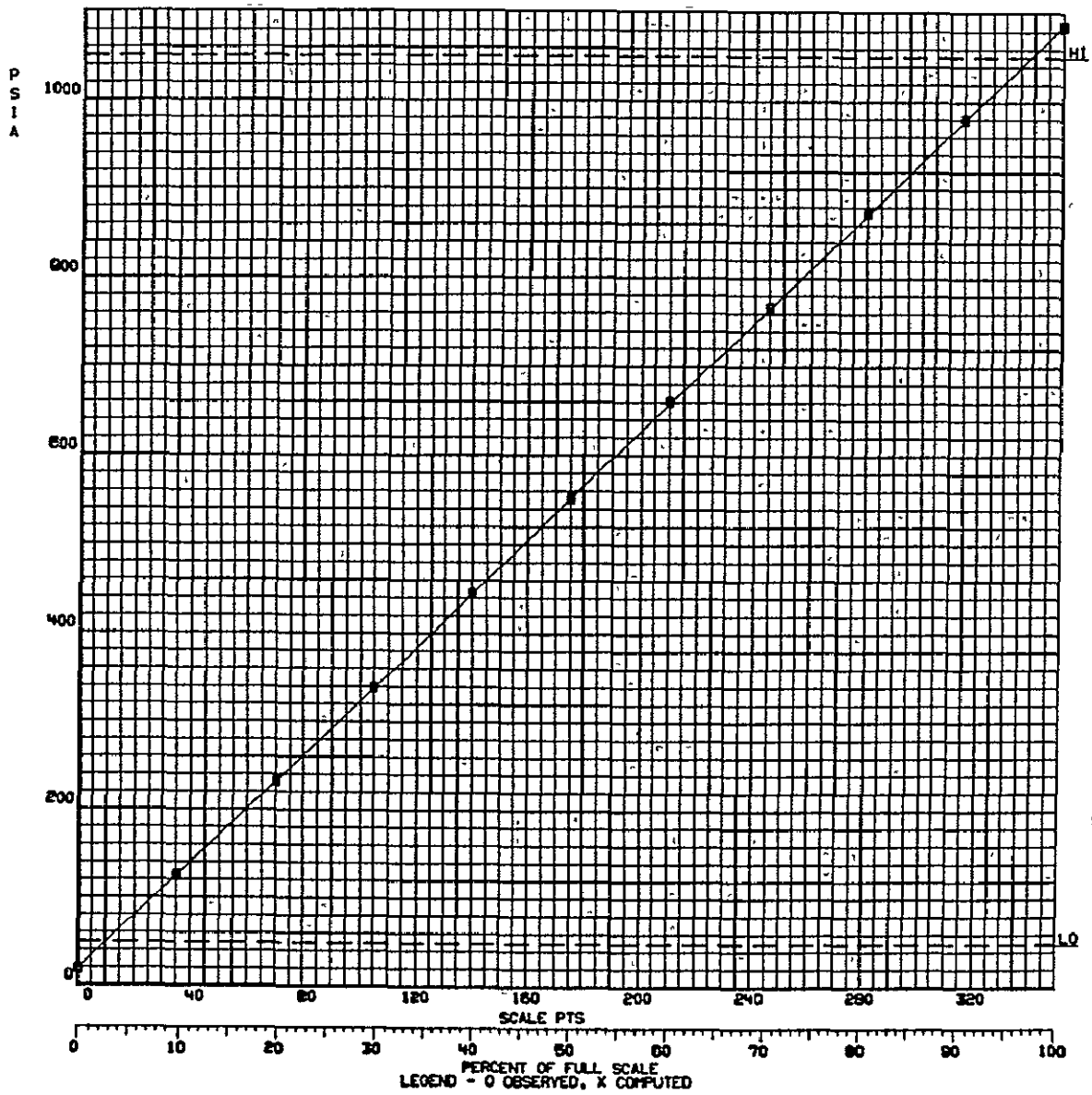
PRESSURE O2 TANK 3
INSTALLATION DATE MAY 7,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
82226- 2	06553H500105
80650- 1	097803811113

0459-77-03
0000 0271

RANGE
50.00
TO
1050.



EQUATION COEFFICIENTS

A_0= 1.878E 01
A_1= 3.050E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0053P- 1-0

LOADING NO.
H6P2

MINIMUM LOADING NO

06/29/71
5 . 0

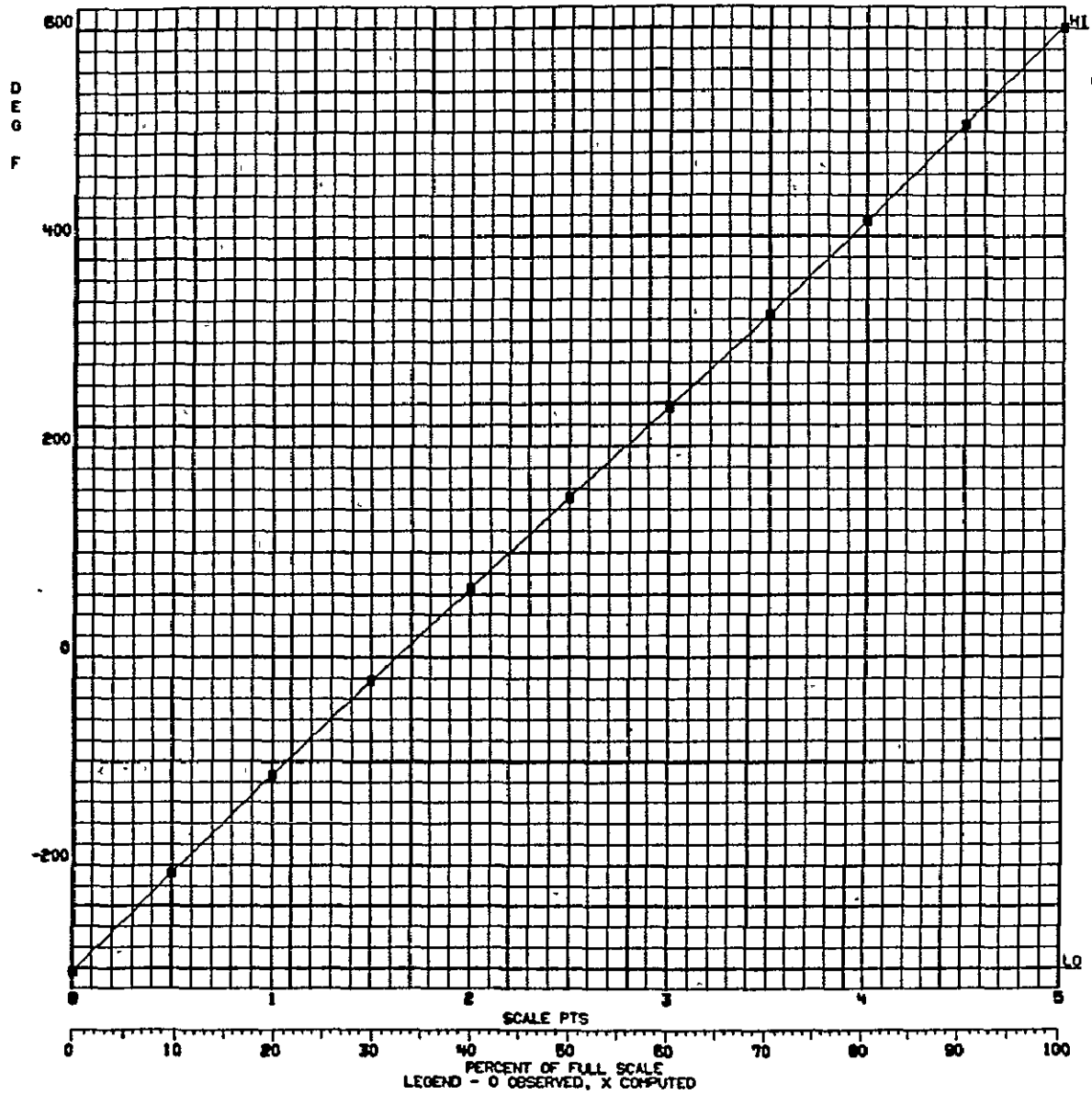
SC-113

0459-77-03
0000 0272

TEMP 02 TANK 1 HEATERS
INSTALLATION DATE MAY. 20,1971

HARDWARE CALIB. NO.	SERIAL NO.
78981- 1	10024XTA0026
78982- 1	10024XAR0027
04885- 1	097602221110

RANGE
-300.0
TO
600.0



EQUATION COEFFICIENTS

A_0=-3.034E 02
A_1= 1.899E 02
A_2= 5.295E 00
A_3=-7 441E 00
A_4= 2.029E 00
A_5=-1.651E-01

SIGMA=.01556

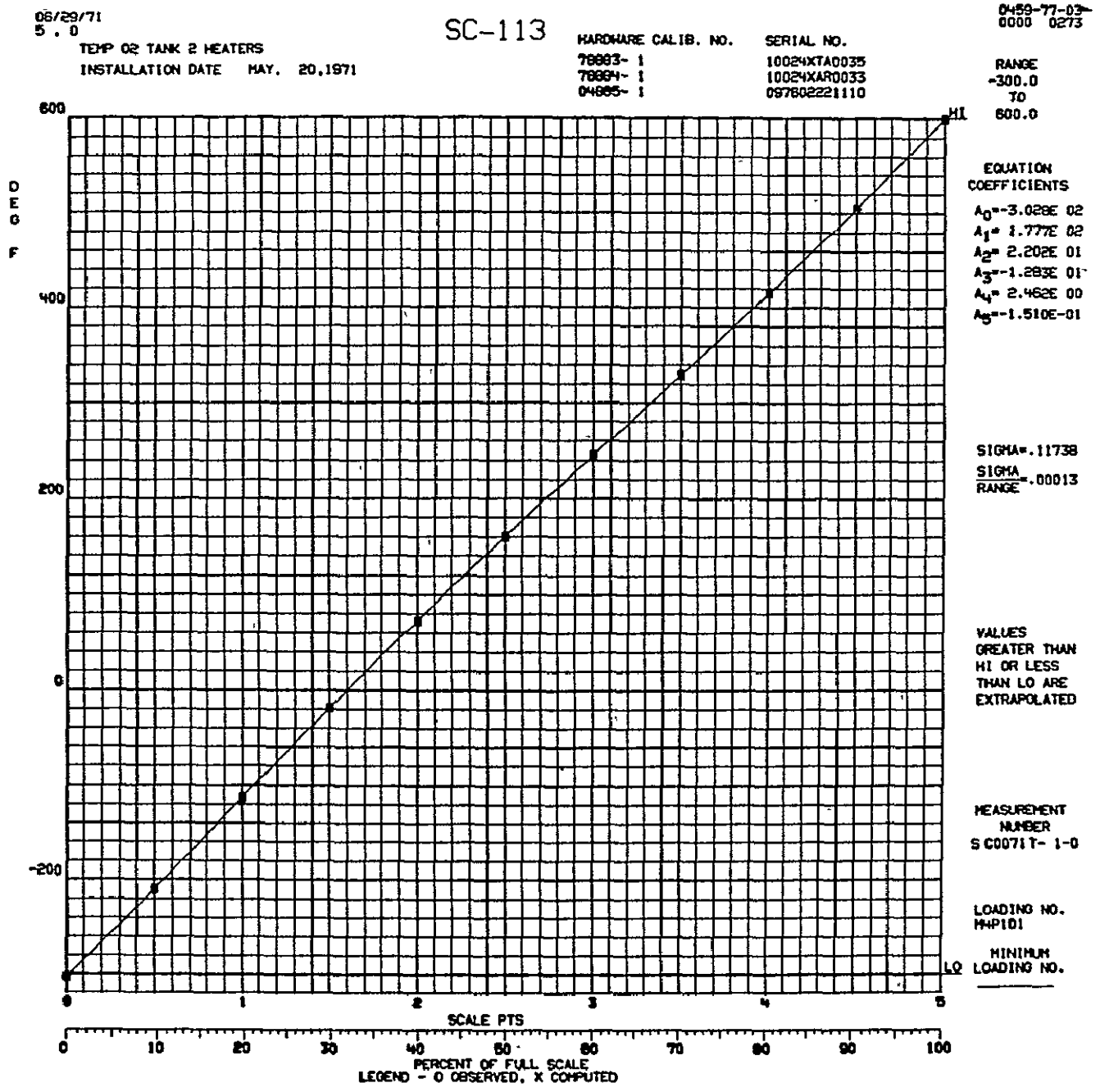
$\frac{SIGMA}{RANGE}$=.00001

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0070 T- 1-0

LOADING NO
M+P101

MINIMUM LOADING NO


06/29/71
5 . 0
SC-113
0459-77-03
0000 0273
TEMP 02 TANK 2 HEATERS
INSTALLATION DATE MAY. 20,1971
HARDWARE CALIB. NO. SERIAL NO.
78883- 1 10024XTA0035
78884- 1 10024XAR0033
04885- 1 097602221110
RANGE
-300.0
TO
600.0
600
400
200
0
-200
DEG F
HI
LO
EQUATION
COEFFICIENTS
A0=-3.028E 02
A1= 1.777E 02
A2= 2.202E 01
A3=-1.283E 01
A4= 2.462E 00
A5=-1.510E-01
SIGMA=.11738
SIGMA/RANGE=.00013
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C0071T- 1-0
LOADING NO.
M4P101
MINIMUM
LOADING NO.
0 1 2 3 4 5
SCALE PTS
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

06/29/71
5 . 0

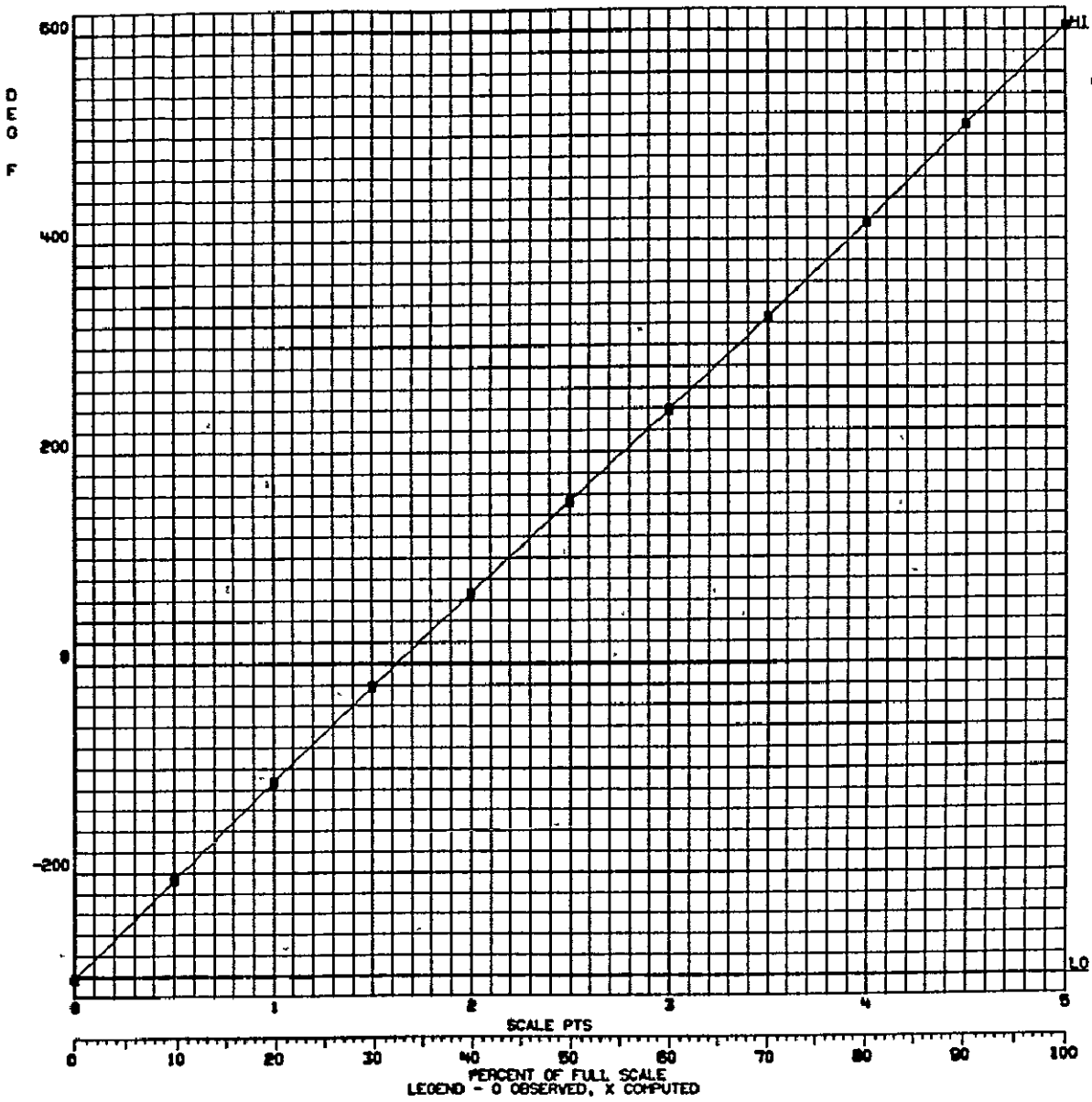
SC-113

0459-77-03
0000 0274

TEMP 02 TANK 3 HEATERS
INSTALLATION DATE MAY. 7,1971

HARDWARE CALIB. NO.	SERIAL NO.
78743- 1	10024XTA0034
78741- 1	10024XAR0024
04885- 1	097802221110

RANGE
-300.0
TO
600 0



EQUATION COEFFICIENTS

A_0=-3.023E 02
A_1= 1.877E 02
A_2= 7.290E 00
A_3=-8.028E 00
A_4= 2.077E 00
A_5=-1.628E-01

SIGMA=.00501

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0072T- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

06/29/71
5 , 0

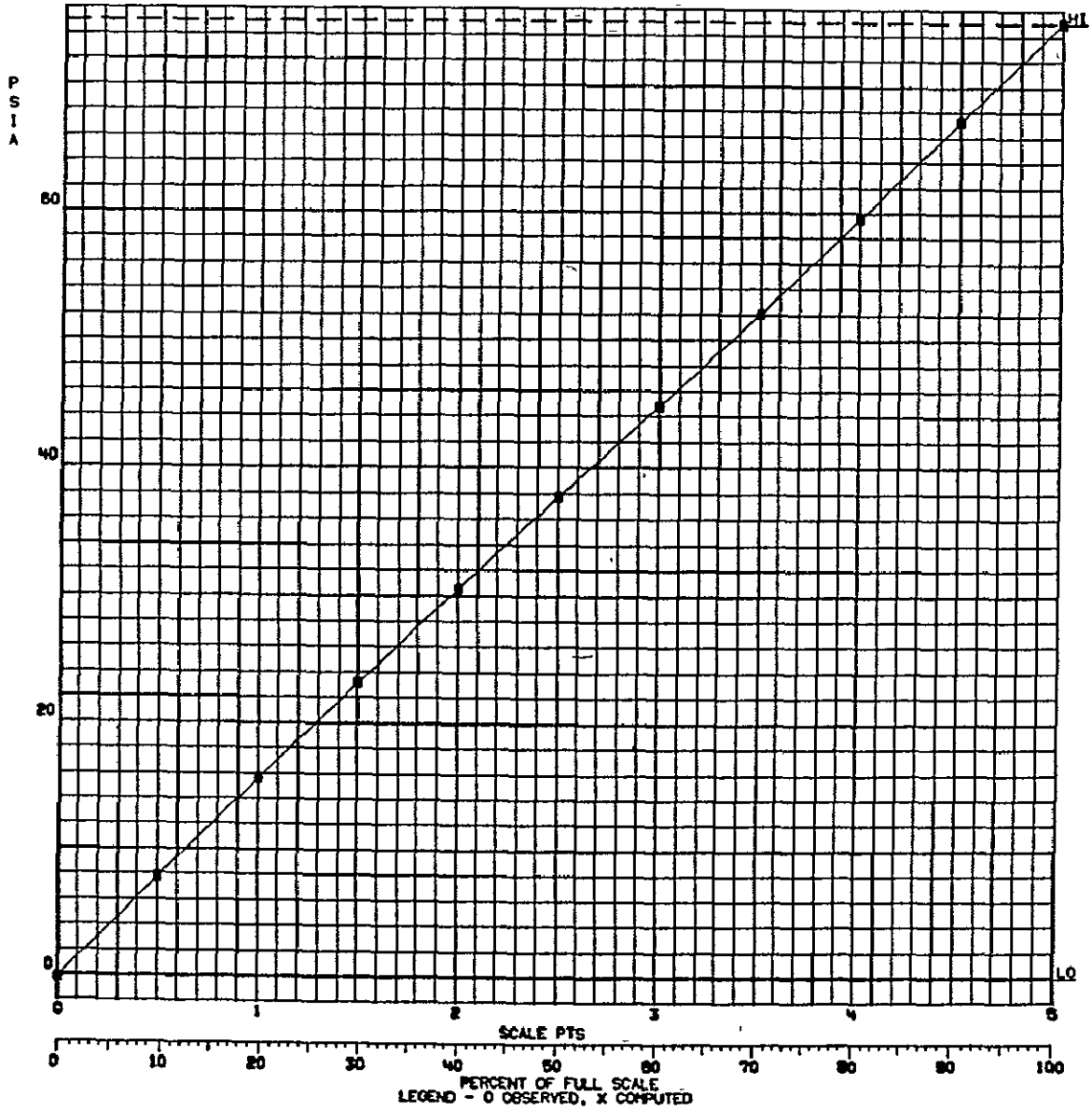
02 PRESSURE FC 1 REGULATED
INSTALLATION DATE FEB. 10,1971

SC-113

HARDWARE CALIB. NO	SERIAL NO.
80428- 1	06763PS50755
04985- 1	097602221110

0459-77-03
0000 0295

RANGE
0.0
TO
75.00



EQUATION COEFFICIENTS

A_0= -1.439E-01
A_1= 1.558E 01
A_2= 6.502E-01
A_3= -6.806E-01
A_4= 1.738E-01
A_5= -1.356E-02

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2066P- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

06/29/71
5 . 0

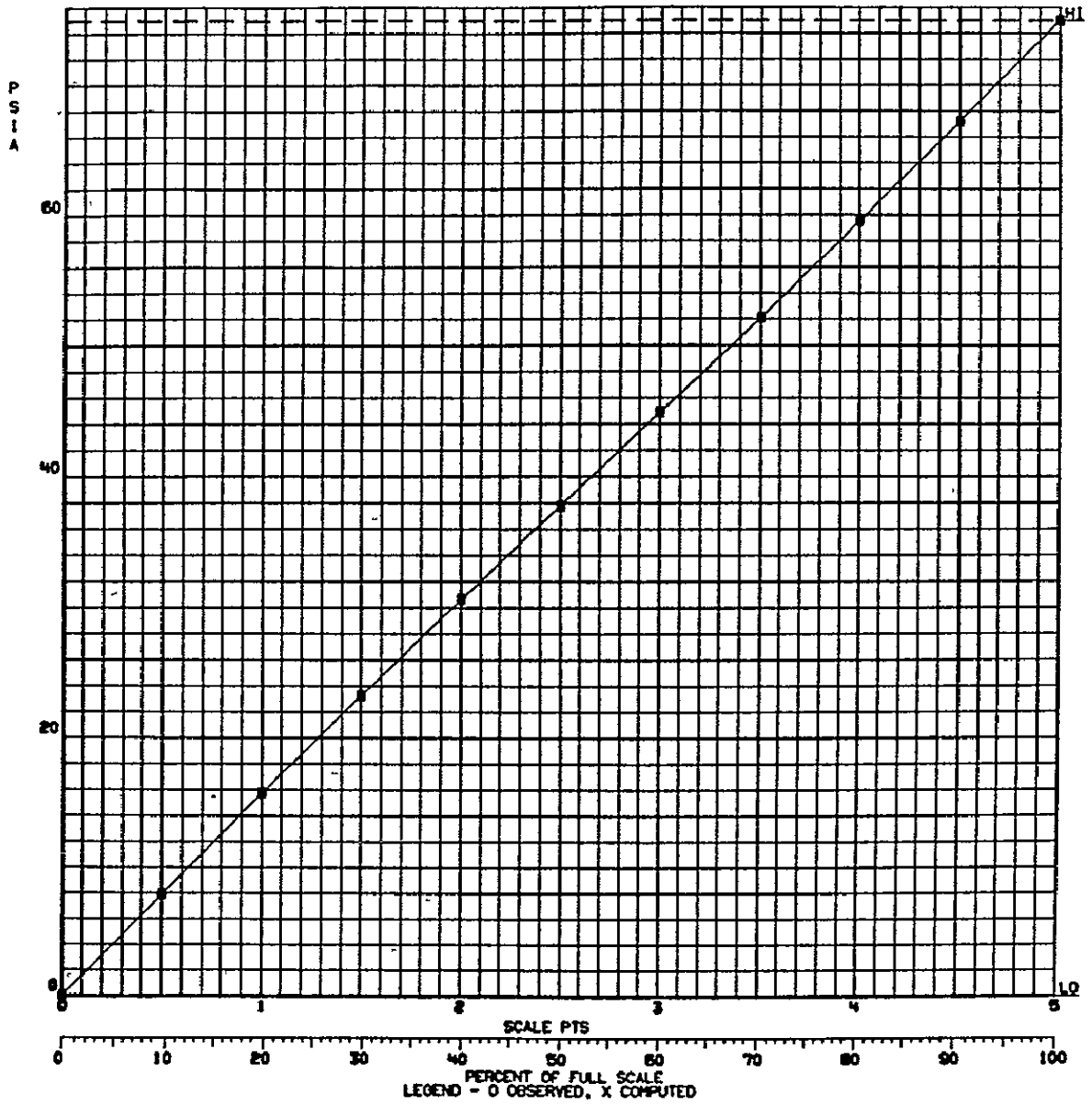
02 PRESSURE FC 2 REGULATED
INSTALLATION DATE FEB. 5,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81678- 1	06763P650756
04665- 1	097802221110

0459-77-03
0000 0296

RANGE
0.0
TO
75 00



EQUATION COEFFICIENTS

A_0= 7.522E-02
A_1= 1.553E 01
A_2= 6.484E-01
A_3=-6.787E-01
A_4= 1.731E-01
A_5=-1.353E-02

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2067P- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

06/29/71
5 . 0

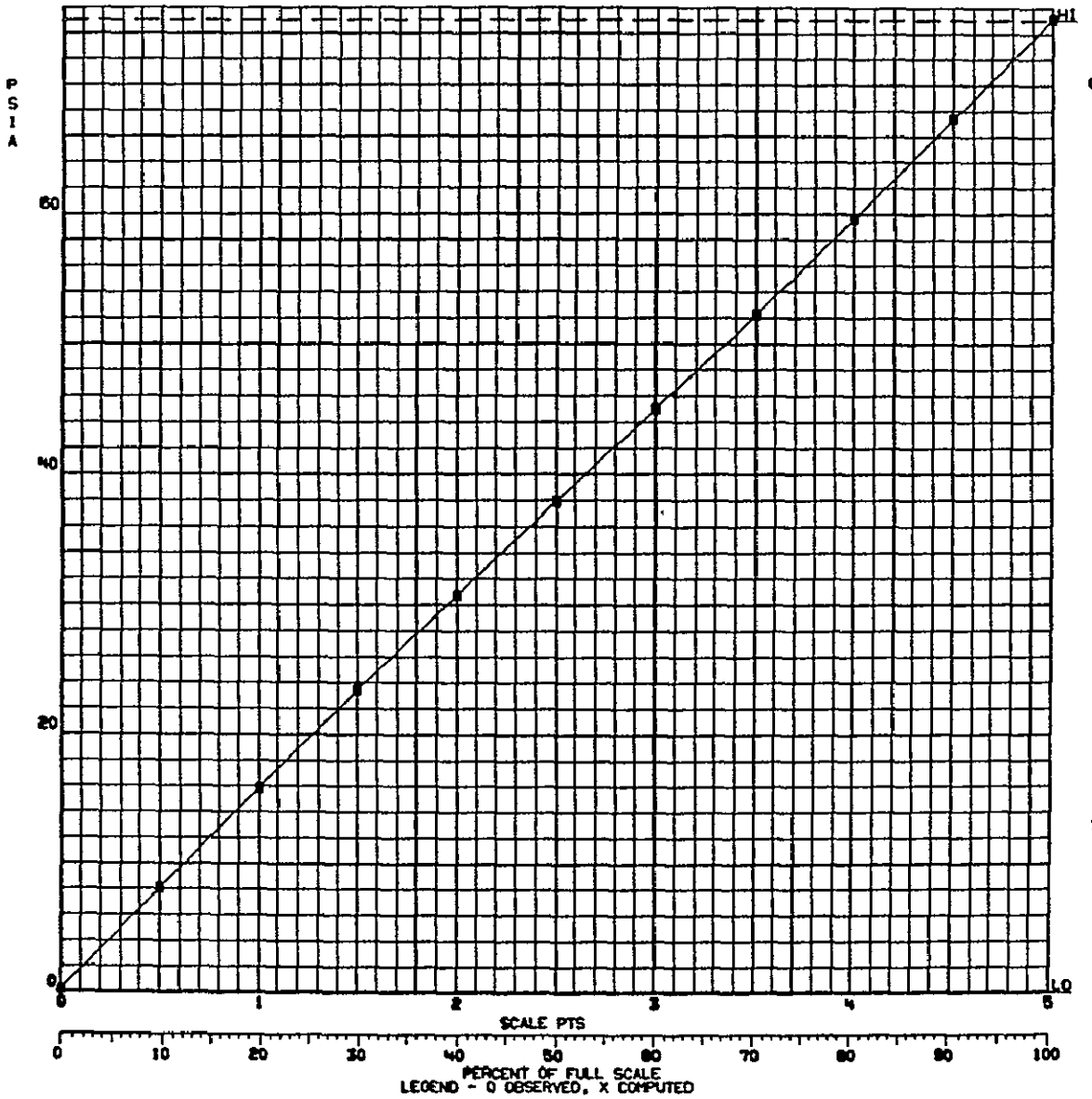
02 PRESSURE FC 3 REGULATED
INSTALLATION DATE FEB. 6,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
01680- 1	06783P650758
04865- 1	097802221110

0458-77-03
0000 0297

RANGE
0.0
TO.
75.00



EQUATION COEFFICIENTS

A_0= 2.487E-01
A_1= 1.552E 01
A_2= 6.478E-01
A_3=-6.781E-01
A_4= 1.729E-01
A_5=-1.351E-02

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
SC2068P- 1-0

LOADING NO.
MAP101

MINIMUM LOADING NO.

06/29/71
5.0

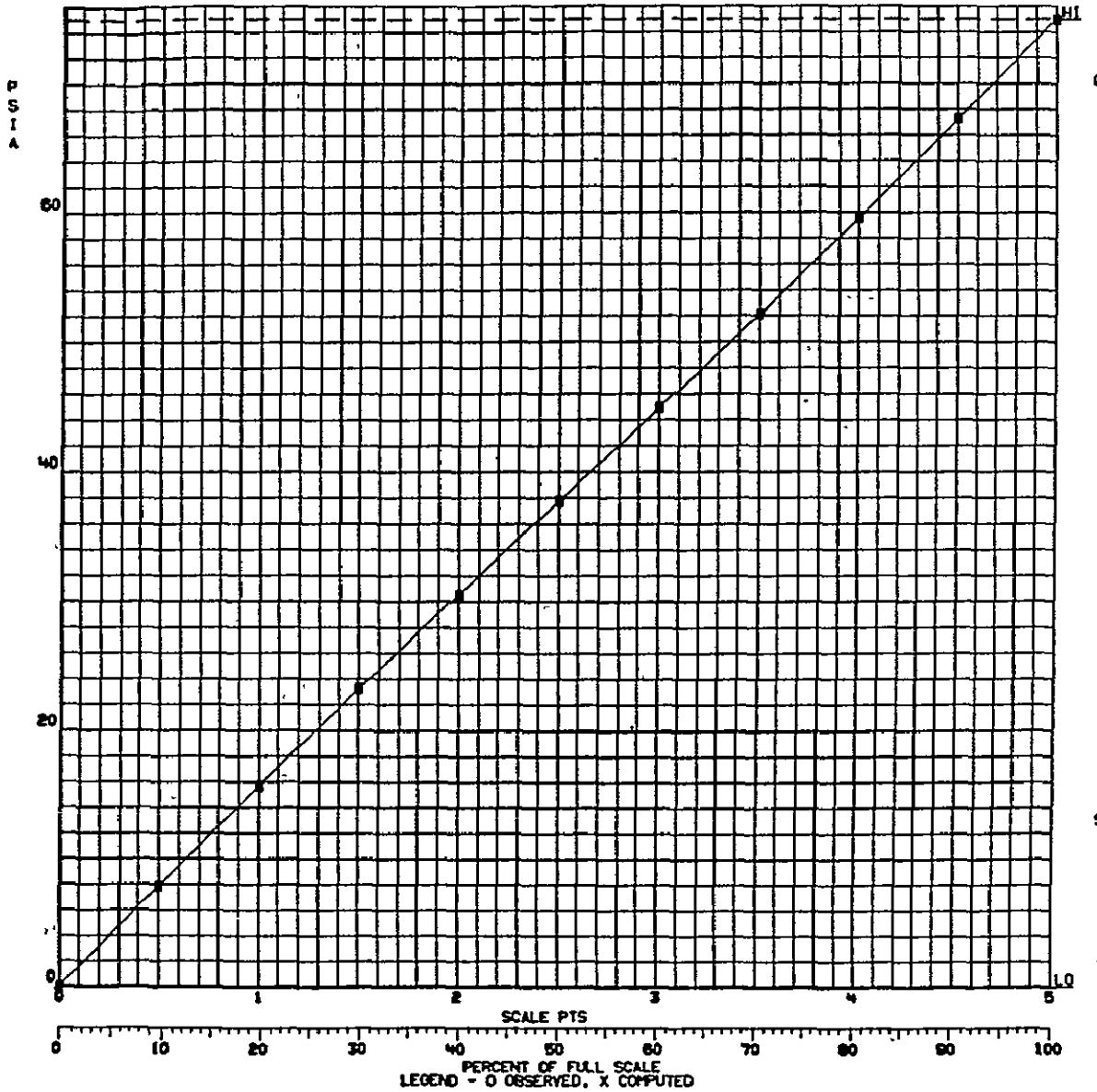
SC-113

H2 PRESSURE FC 1 REGULATED
INSTALLATION DATE FEB. 10,1971

HARDWARE CALIB. NO.	SERIAL NO.
80429- 1	06763P650755
04865- 1	097802221110

0459-77-03
0000 0298

RANGE
0.0
TO
75.00



EQUATION COEFFICIENTS

A_0= 3.963E-02
A_1= 1.555E 01
A_2= 6 490E-01
A_3=-6.794E-01
A_4= 1.733E-01
A_5=-1.354E-02

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2069P- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

7 C?6

13-19

06/29/71
5 . 0

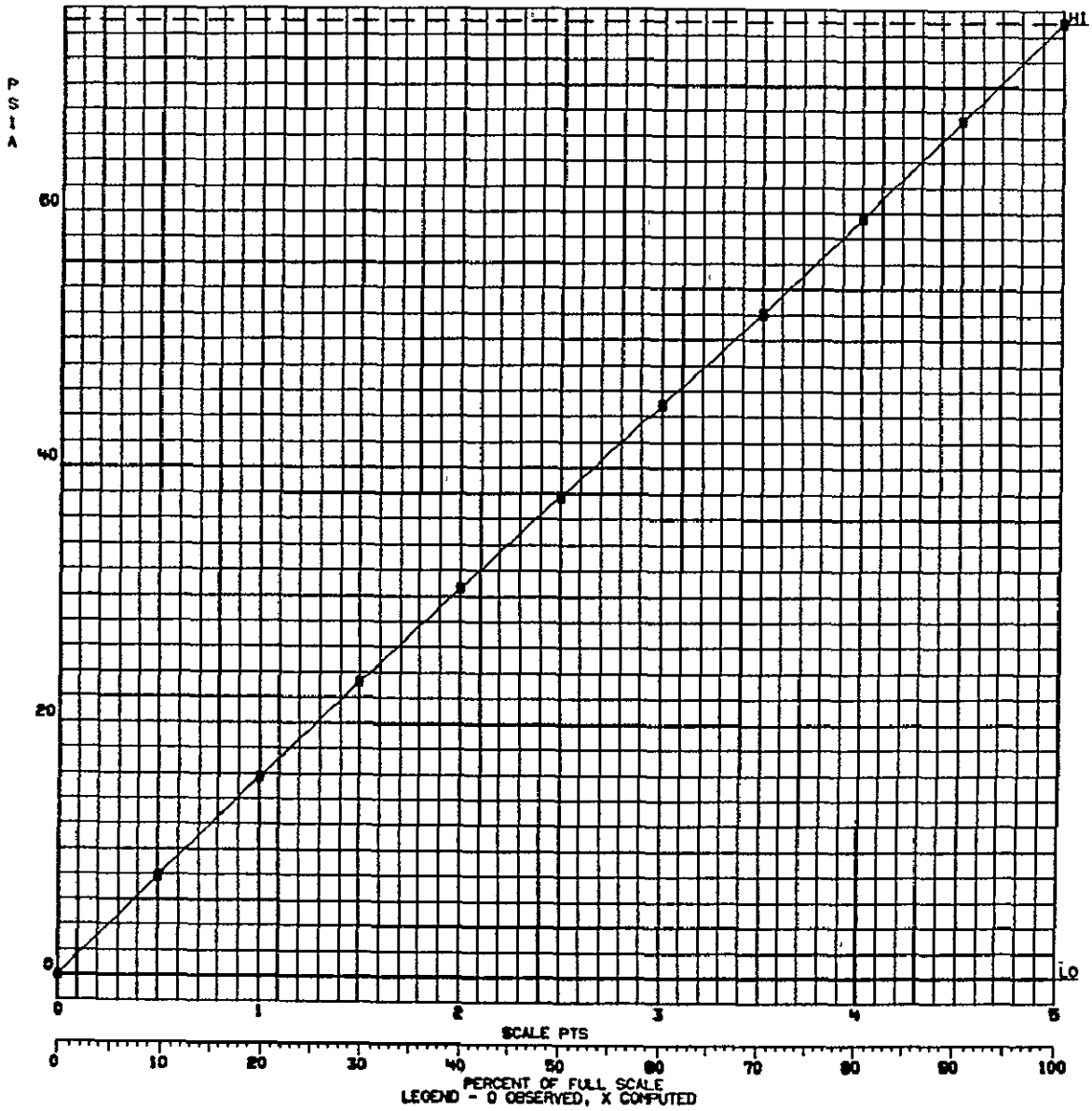
H2 PRESSURE FC 2 REGULATED
INSTALLATION DATE FEB. 5,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81675- 1	08783P650758
04865- 1	09760222111O

0459-77-03
0000 0299

RANGE
0.0
TO
75.00



EQUATION COEFFICIENTS

A_0=-1.547E-03
A_1= 1.554E 01
A_2= 6.488E-01
A_3=-6.792E-01
A_4= 1.732E-01
A_5=-1.354E-02

SIGMA=0 0

$\frac{\text{SIGMA}}{\text{RANGE}}$=0.0

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2070P- 1-0

LOADING NO
MHP101

MINIMUM LOADING NO.

06/29/71
5 . 0

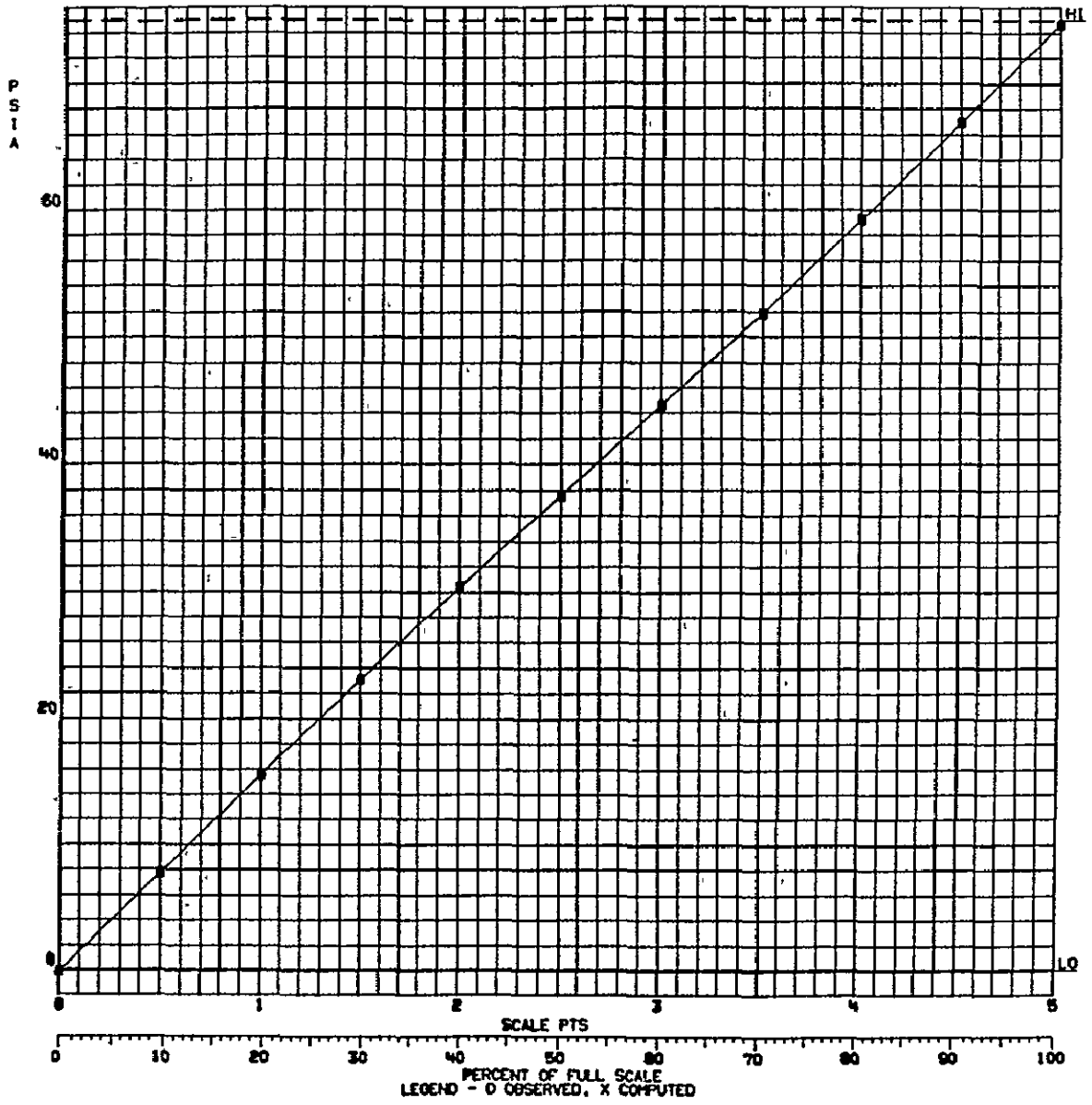
H2 PRESSURE FC 3 REGULATED
INSTALLATION DATE FEB. 6,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81679- 1	06783P650758
04665- 1	097602221110

0459-77-03
0000 0300

RANGE
0.0
TO
75 00



EQUATION COEFFICIENTS

A_0=-7.804E-02
A_1= 1.549E 01
A_2= 6.463E-01
A_3=-6.766E-01
A_4= 1.725E-01
A_5=-1.348E-02

SIGMA=.00000

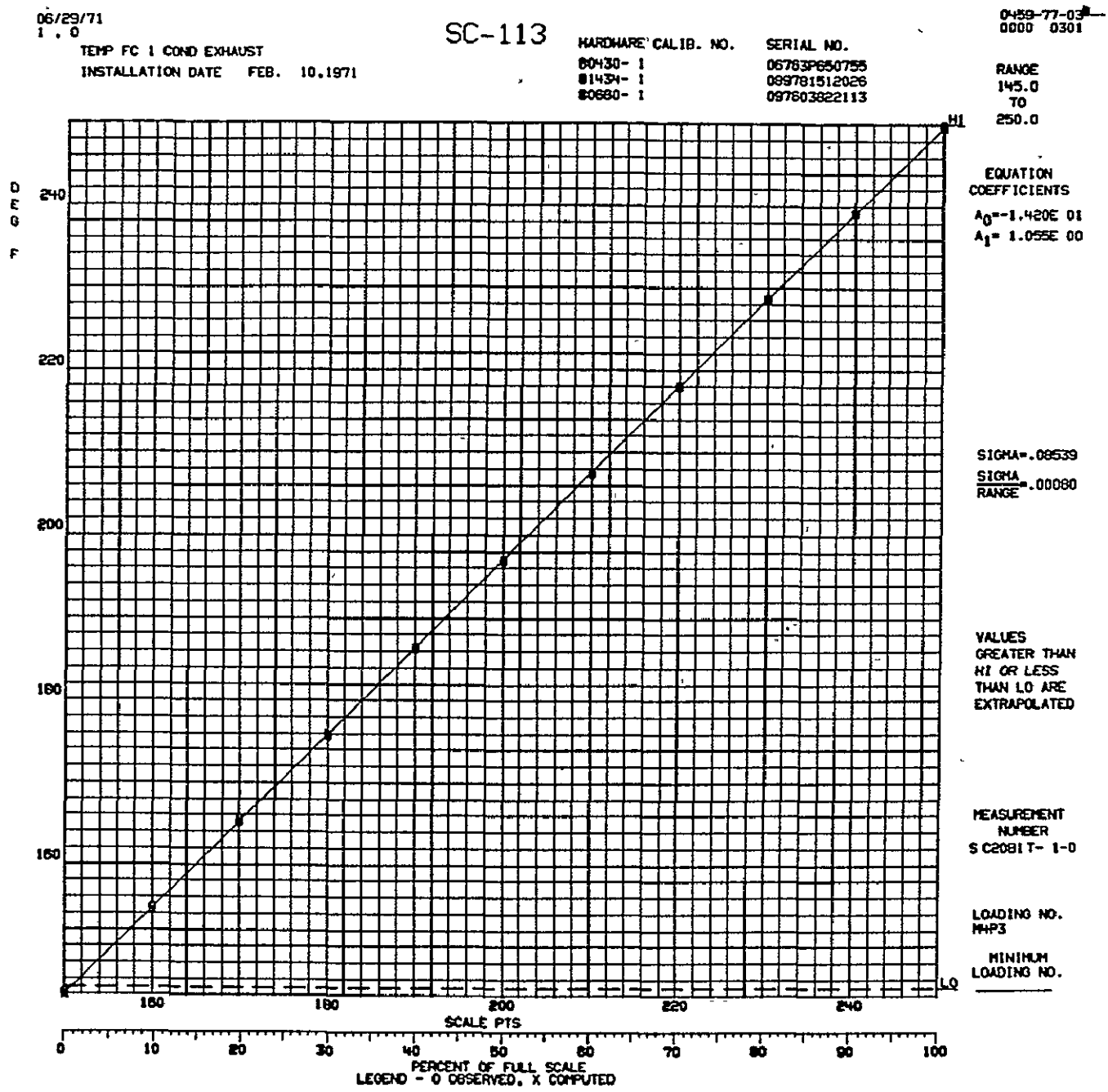
$\frac{\text{SIGMA}}{\text{RANGE}}$= 00000

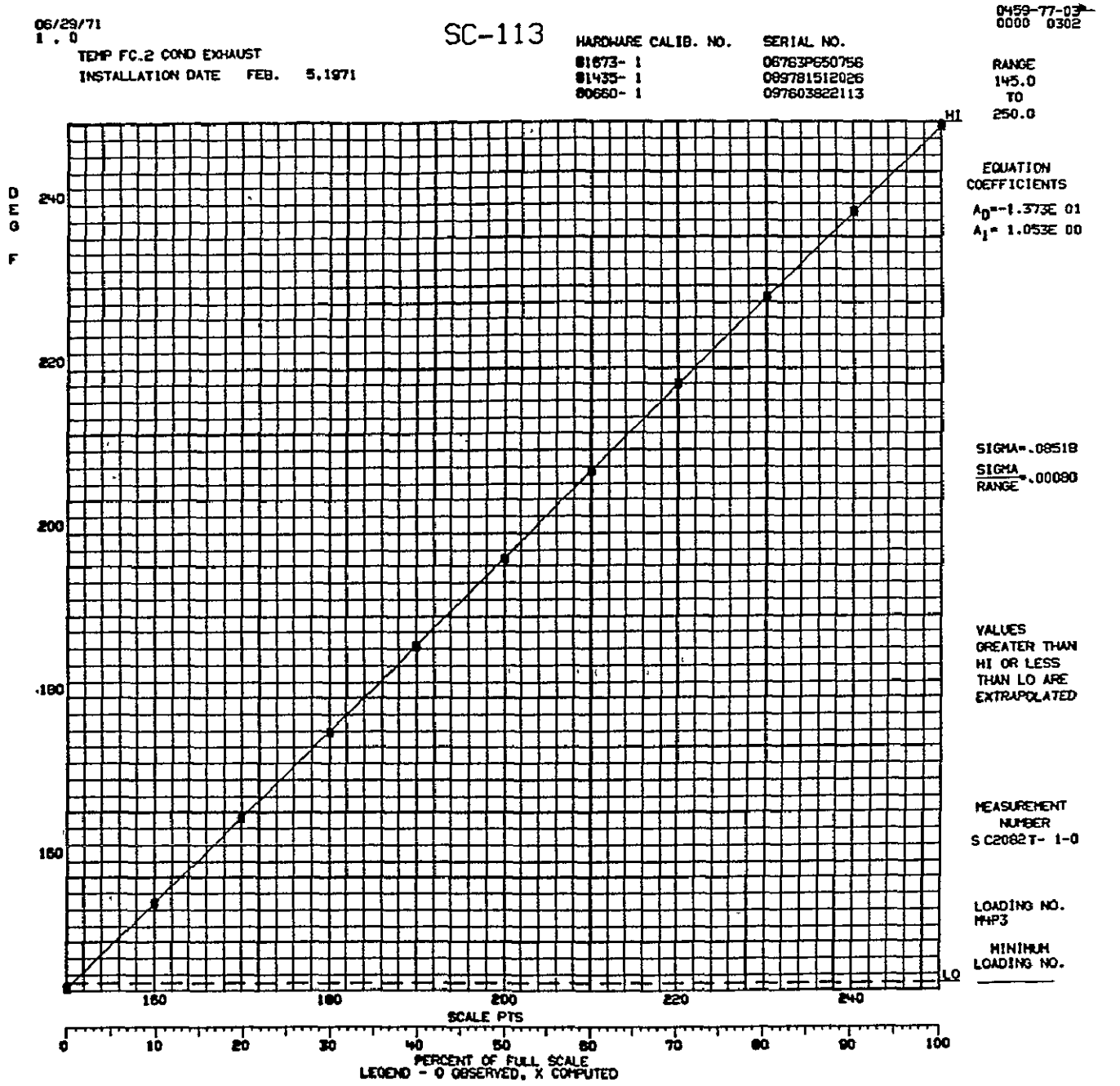
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2071 P= 1-0

LOADING NO.
MAP101

MINIMUM LOADING NO.


06/29/71
1 . 0
TEMP FC 1 COND EXHAUST
INSTALLATION DATE FEB. 10.1971
SC-113
HARDWARE CALIB. NO.
80430- 1
81434- 1
80680- 1
SERIAL NO.
06763P650755
089781512026
097603822113
0459-77-03
0000 0301
RANGE
145.0
TO
250.0
EQUATION
COEFFICIENTS
A0=-1.420E 01
A1= 1.055E 00
SIGMA=.08539
SIGMA/RANGE=.00060
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C20B1T- 1-0
LOADING NO.
MHP3
MINIMUM
LOADING NO.
DEG F
240
220
200
180
160
HI
LO
160
180
200
220
240
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED


06/29/71
1 . 0
SC-113
TEMP FC.2 COND EXHAUST
INSTALLATION DATE FEB. 5,1971
HARDWARE CALIB. NO.
SERIAL NO.
81673- 1
06763P650756
81435- 1
09978151202G
80660- 1
097603822113
0459-77-03
0000 0302
RANGE
145.0
TO
250.0
EQUATION
COEFFICIENTS
A_0=-1.373E 01
A_1= 1.053E 00
SIGMA=.08518
SIGMA/RANGE=.00080
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C2082T- 1-0
LOADING NO.
MHP3
MINIMUM
LOADING NO.
DEG F
240
220
200
180
160
HI
LO
160
180
200
220
240
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

7 CC0

06/29/71
1 , 0

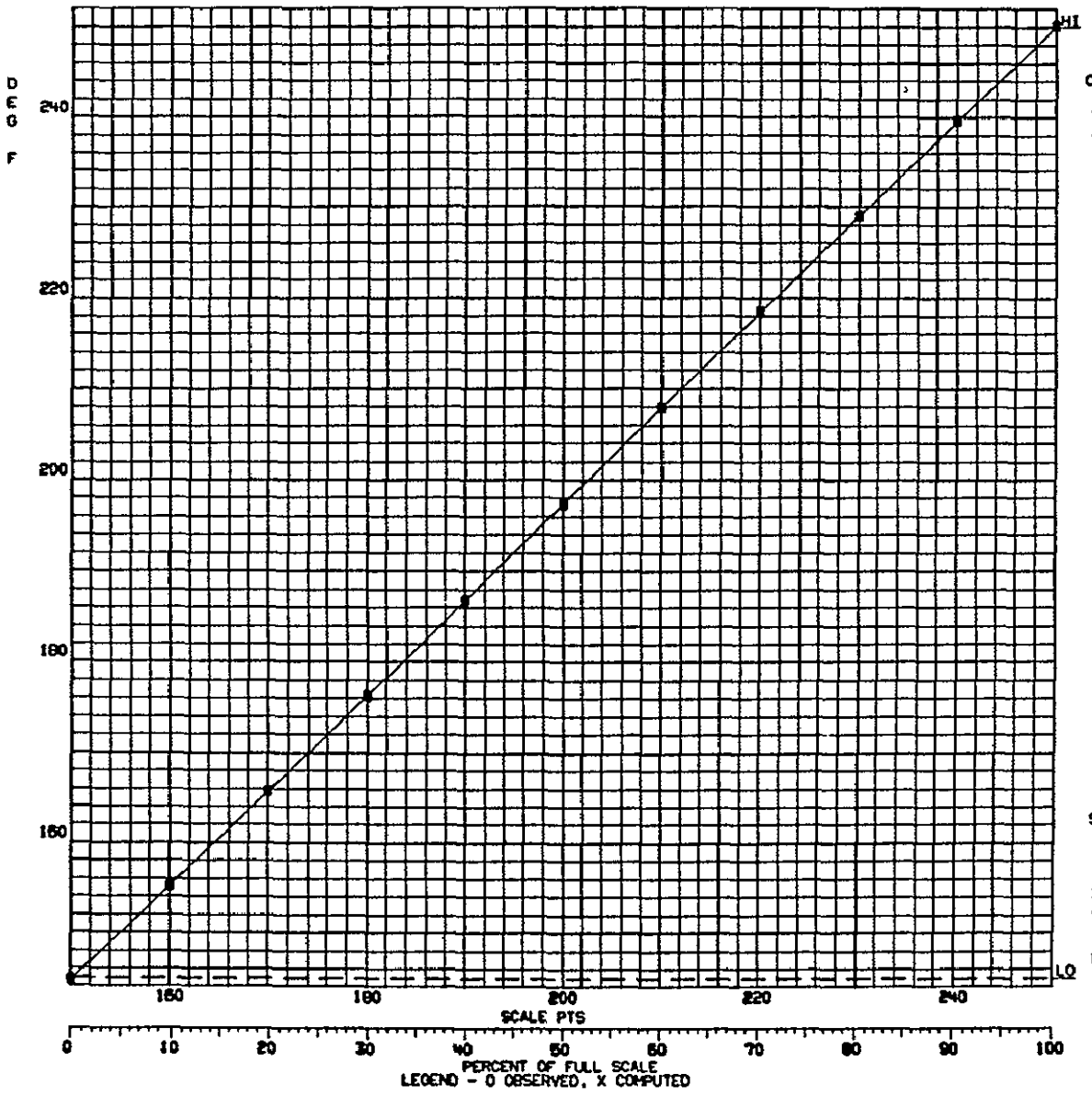
TEMP FC 3 COND EXHAUST
INSTALLATION DATE FEB. 6,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81682- 1	06783P650758
81438- 1	089781512032
80660- 1	097603822113

0459-77-03
0000 0303

RANGE
145.0
TO
250.0



EQUATION COEFFICIENTS

A_0=-1.357E 01
A_1= 1.055E 00

SIGMA=.08169

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00077

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2083T- 1-0

LOADING NO
MHP3

MINIMUM LOADING NO.

7 C91

06/29/71
5 . 0

TEMP FC 1 SKIN

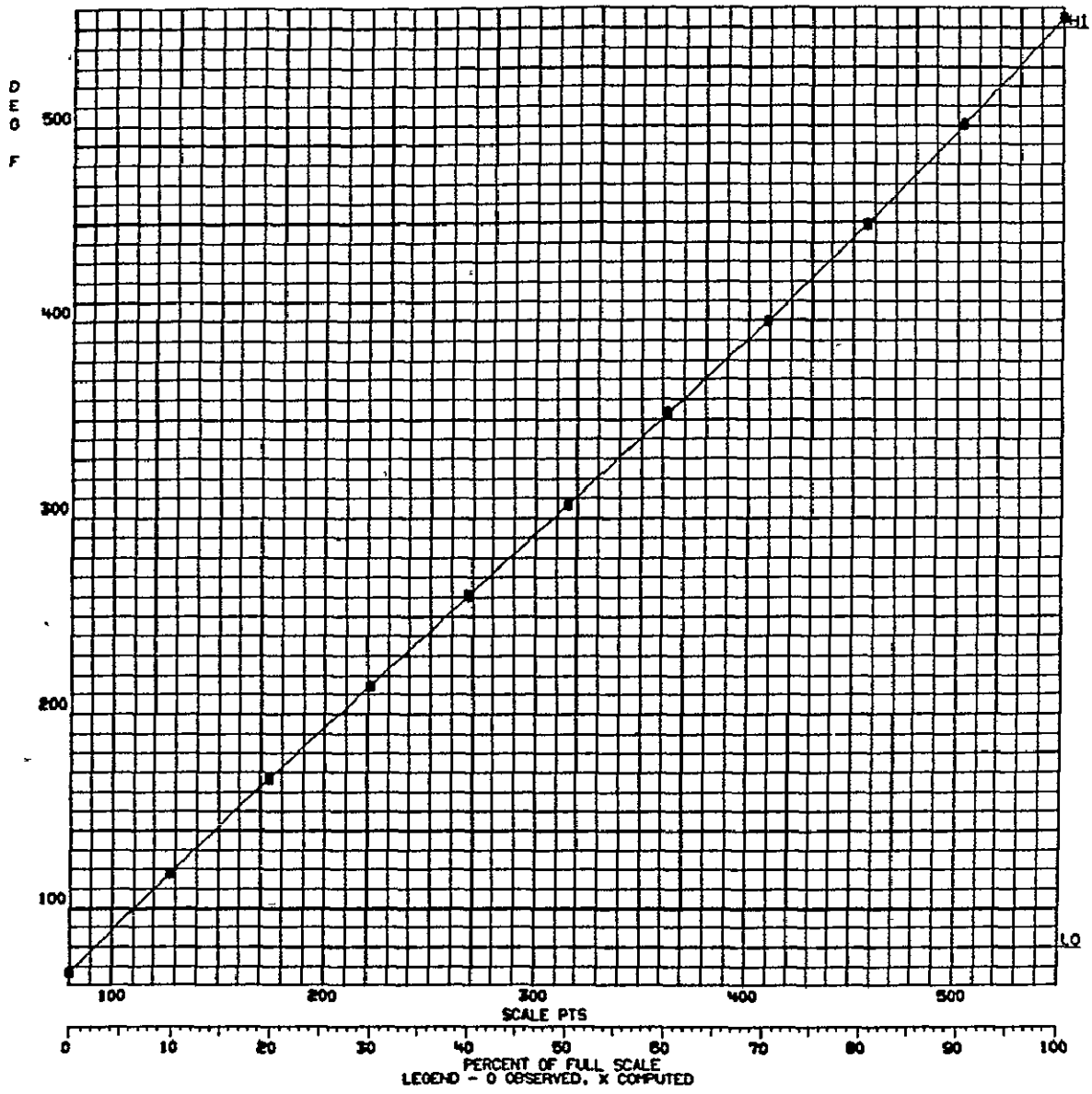
INSTALLATION DATE FEB. 10,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
80431- 1	06763P650755
81438- 1	069781212002
80859- 1	097603822113

0459-77-03
0000 0304

RANGE
80 00
TO
550.0



EQUATION COEFFICIENTS

A_0=-2.719E 01
A_1= 1.237E 00
A_2=-8.580E-04
A_3= 8.864E-07
A_4= 1.211E-10
A_5= 4.620E-14

SIGMA=.00071

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2084T- 1-0

LOADING NO.
MHP3

MINIMUM LOADING NO

06/29/71
5 . 0

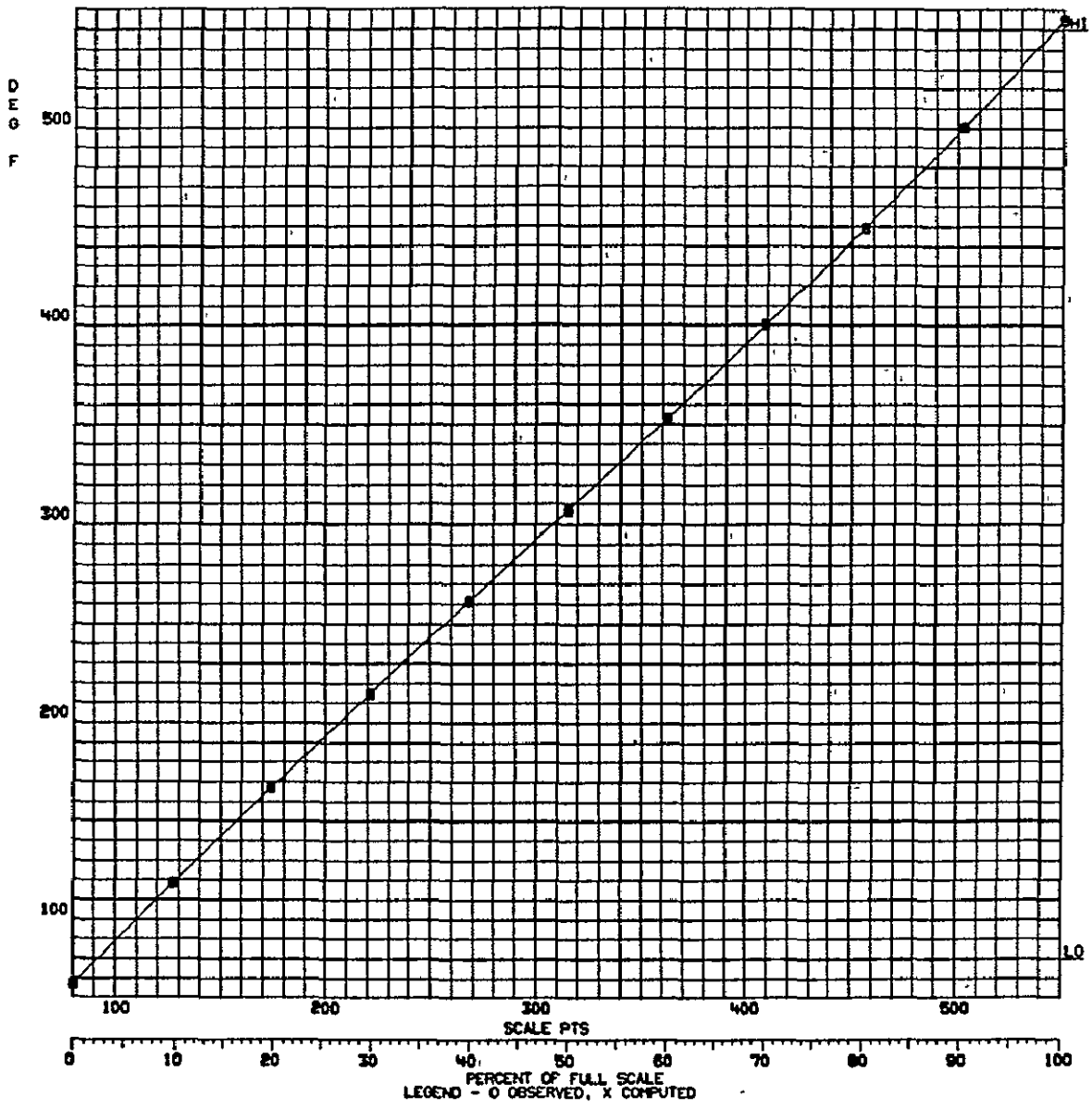
SC-113

0459-77-03
0000 0305

TEMP FC 2 SKIN
INSTALLATION DATE FEB. 5,1971

HARDWARE CALIB. NO	SERIAL NO.
81574- 1	06763P650756
81437- 1	089781212002
80959- 1	097603822113

RANGE
80.00
TO
550.0



EQUATION COEFFICIENTS

A_0=-2.699E 01
A_1= 1.239E 00
A_2=-8.619E-04
A_3= 8.896E-07
A_4= 1.203E-10
A_5= 4.258E-14

SIGMA=.00068
SIGMA/RANGE=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
SC2085T- 1-0

LOADING NO.
MHP3

MINIMUM LOADING NO.

06/29/71
5 , 0

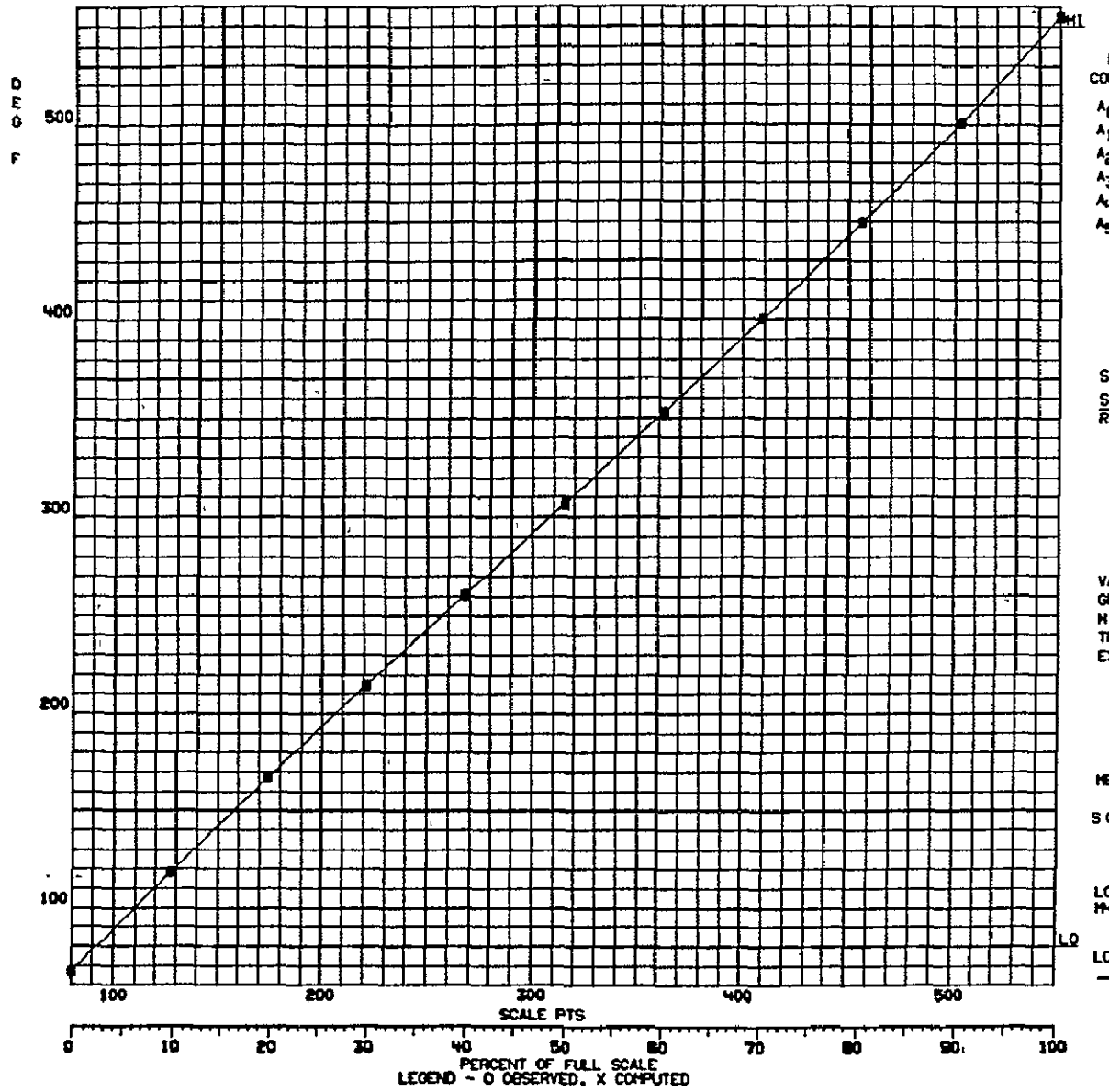
TEMP FC 3 SKIN
INSTALLATION DATE FEB. 6,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81678- 1	06763P650758
81439- 1	089781212001
80659- 1	087803822113

0459-77-03
0000 0306

RANGE
80.00
TO
550 0



EQUATION COEFFICIENTS

A_0=-2.690E 01
A_1= 1.237E 00
A_2=-8 587E-04
A_3= 8.893E-07
A_4= 1.214E-10
A_5= 4.192E-14

SIGMA=.00054

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2086T- 1-0

LOADING NO.
M4P3

MINIMUM LOADING NO.

06/29/71
5 . 0

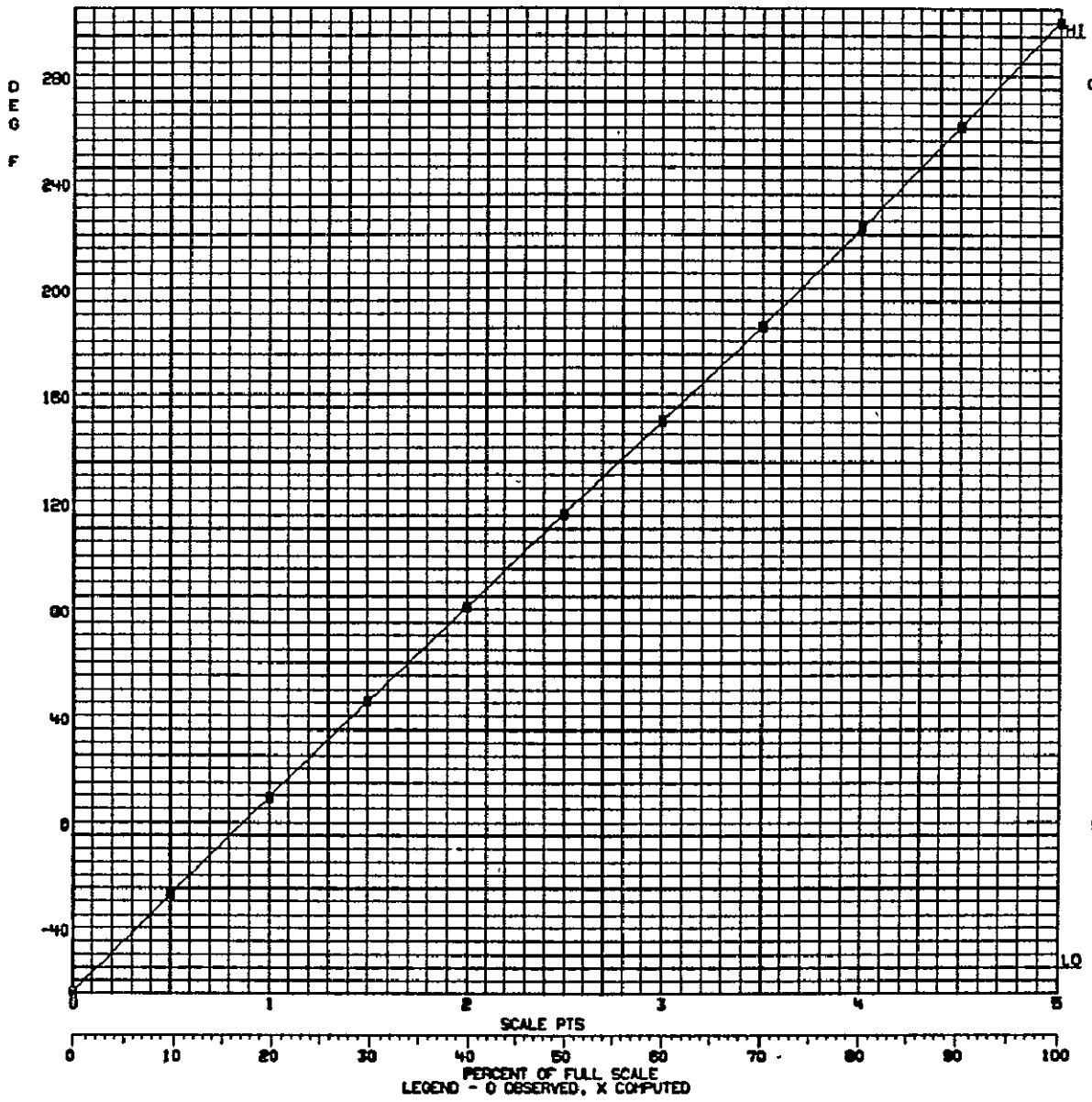
SC-113

0459-77-03
0000 0307

TEMP FC 1 RADIATOR OUTLET
INSTALLATION DATE - OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
75370- 2	10095H12369A
04865- 1	097602221110

RANGE
-50.00
TO
300.0



EQUATION COEFFICIENTS

A_0=-5.912E 01
A_1= 7.173E 01
A_2= 4.441E 00
A_3=-3.519E 00
A_4= 8.616E-01
A_5=-6.530E-02

SIGMA=.00510

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00001

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2087T- 1-0

LOADING NO.
MAP101

MINIMUM LOADING NO.

06/29/71
5.0

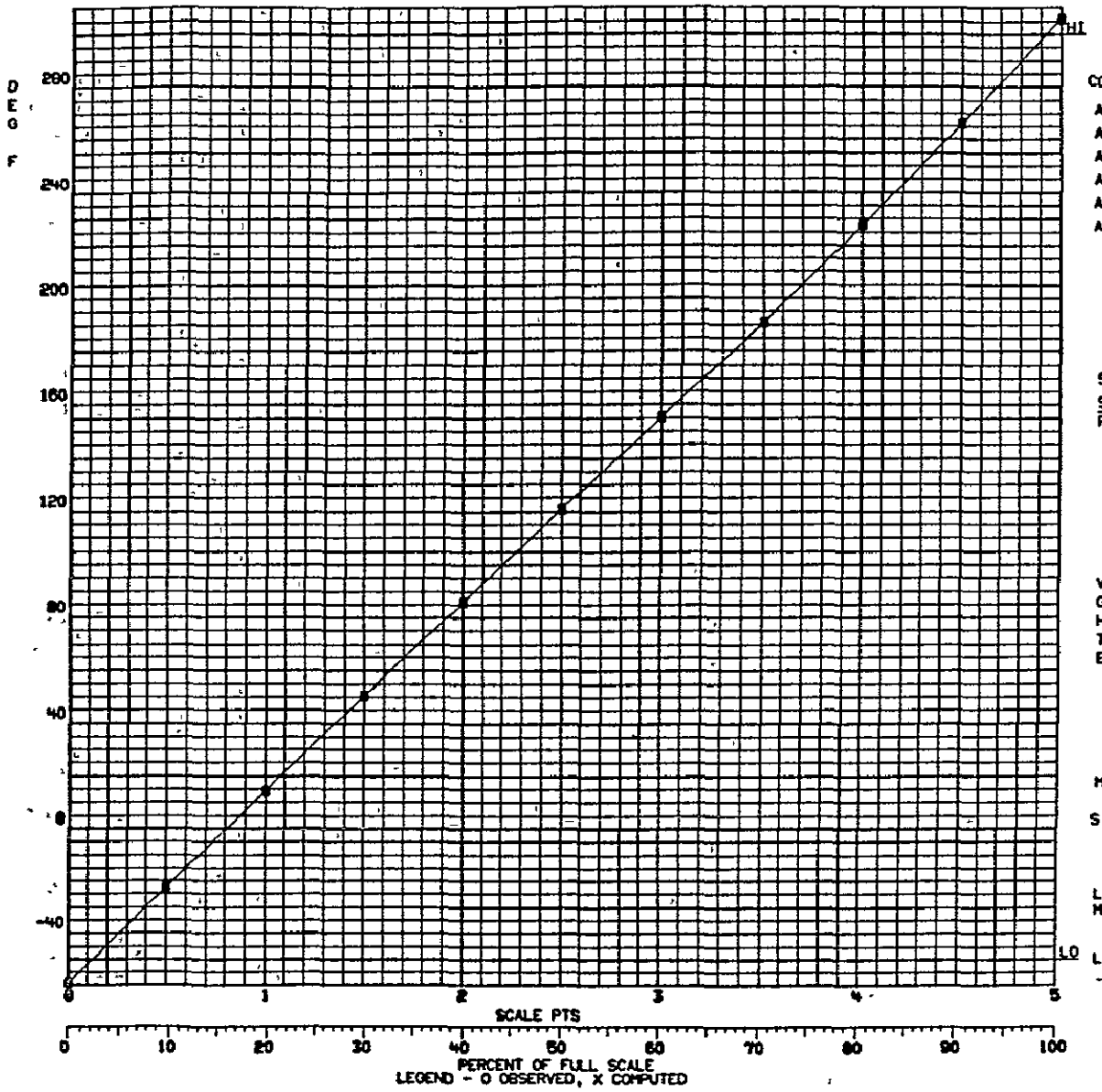
SC-113

TEMP FC 2 RADIATOR OUTLET
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
75367- 2	10095442365A
04865- 1	097602221110

0459-77-03
0000 0308

RANGE
-50.00
TO
300.0



EQUATION COEFFICIENTS

A_0=-5.878E 01
A_1= 7.052E 01
A_2= 5.626E 00
A_3=-3.892E 00
A_4= 9.017E-01
A_5=-6.584E-02

SIGMA=.00174

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2088T- 1-0

LOADING NO.
MAP101

MINIMUM LOADING NO.

06/29/71
5 , 0

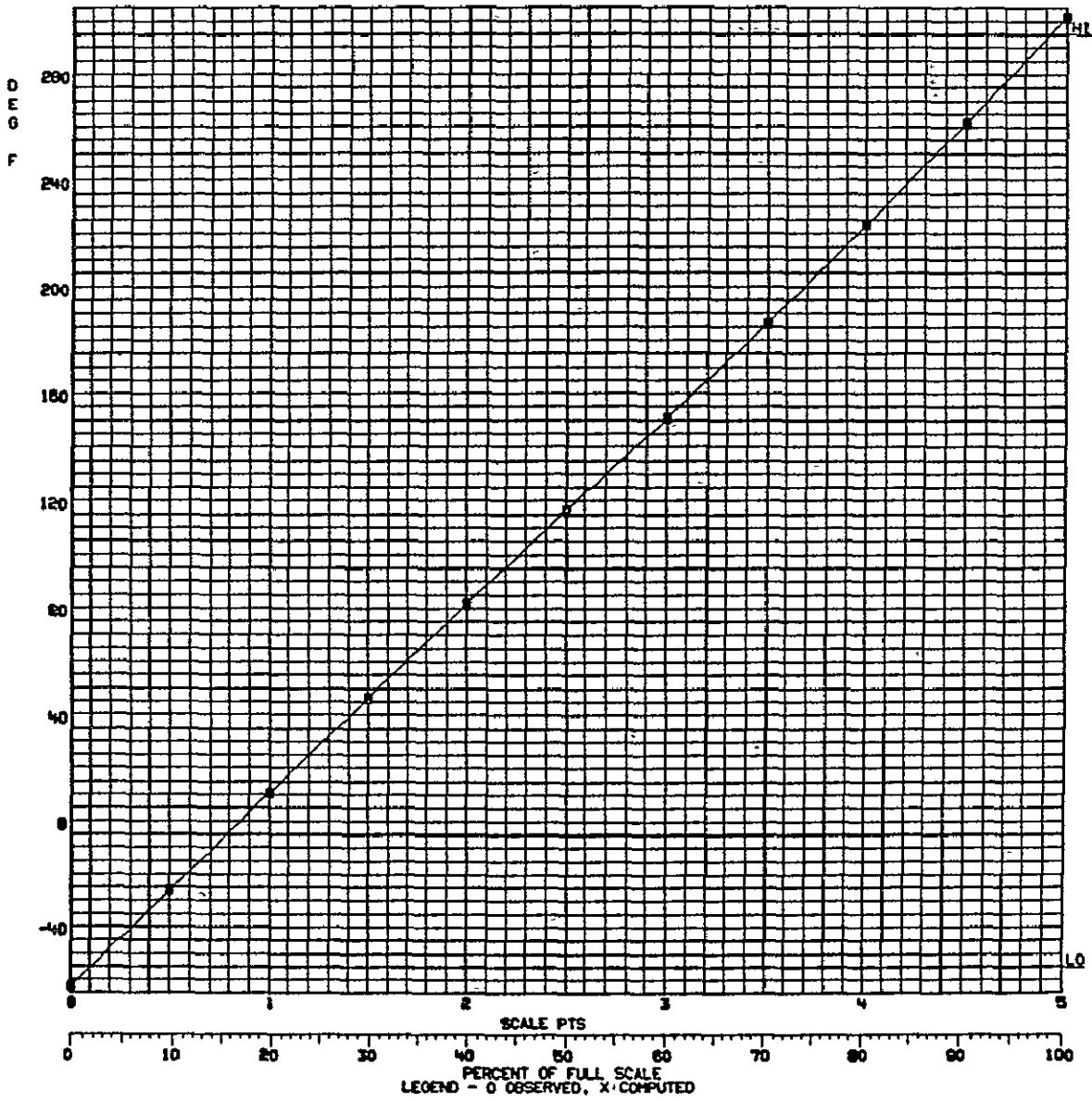
TEMP FC 3 RADIATOR OUTLET
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO. SERIAL NO.
75388- 2 10095H2366A
04865- 1 097602221110

0458-77-03
0000 0309

RANGE
-50.00
TO
300.0



EQUATION COEFFICIENTS

A_0=-5.752E 01
A_1= 7.097E 01
A_2= 4.843E 00
A_3=-3 622E 00
A_4= 8.716E-01
A_5=-6.537E-02

SIGMA=.00420

$\frac{SIGMA}{RANGE}$=.00001

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2089T- 1-0

LOADING NO.
M+P101

MINIMUM LOADING NO.

06/29/71
1 , 0

DC CURRENT FC 1 OUTPUT

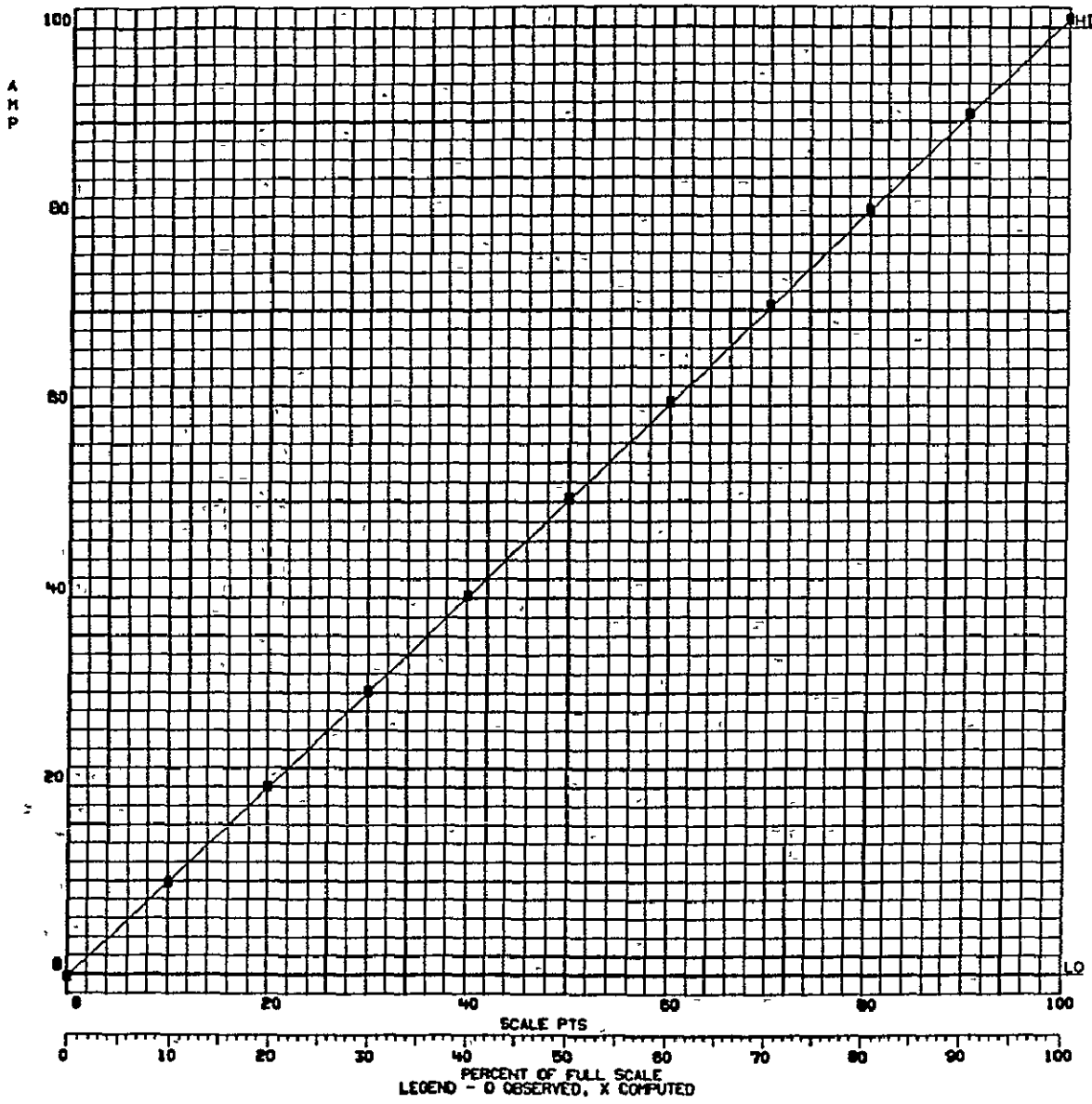
INSTALLATION DATE MAY. 15,1969

SC-113

HARDWARE CALIB NO. | SERIAL NO.
75733- 1 | N/A
77840- 1 | 097602208117

0459-77-03
0000 0310

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-2.410E-01

A_1= 1.010E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2113C- 1-0

LOADING NO
M9P3

MINIMUM LOADING NO

06/29/71
1.0

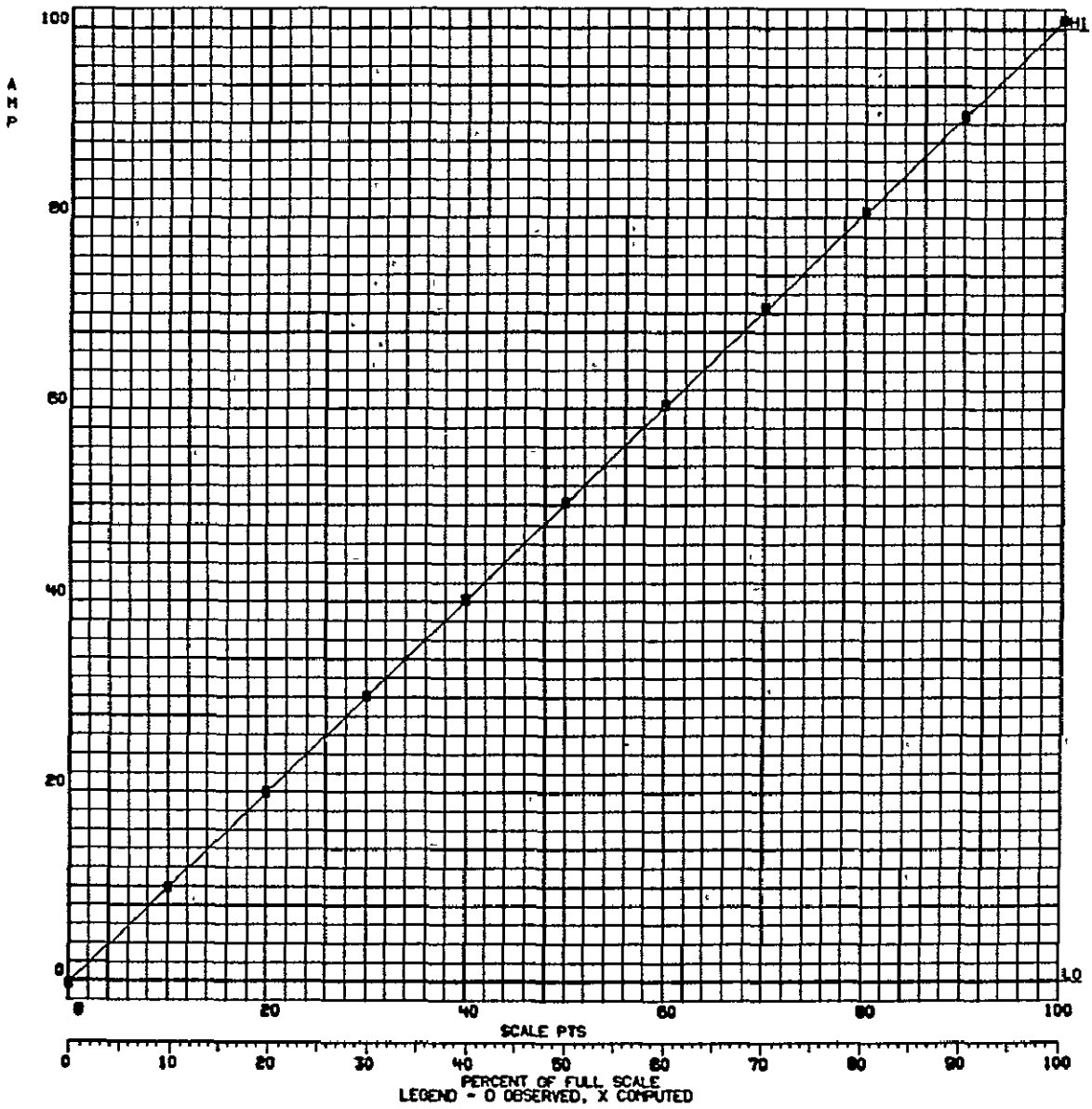
DC CURRENT FC 2/SM BATTERY
INSTALLATION DATE MAY. 15,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75734- 1	N/A
77940- 1	097802208117

0459-77-03
0000 0311

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-2.410E-01
A_1= 1.010E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2114C- 1-0

LOADING NO
M9P3

MINIMUM LOADING NO

06/29/71
1 . 0

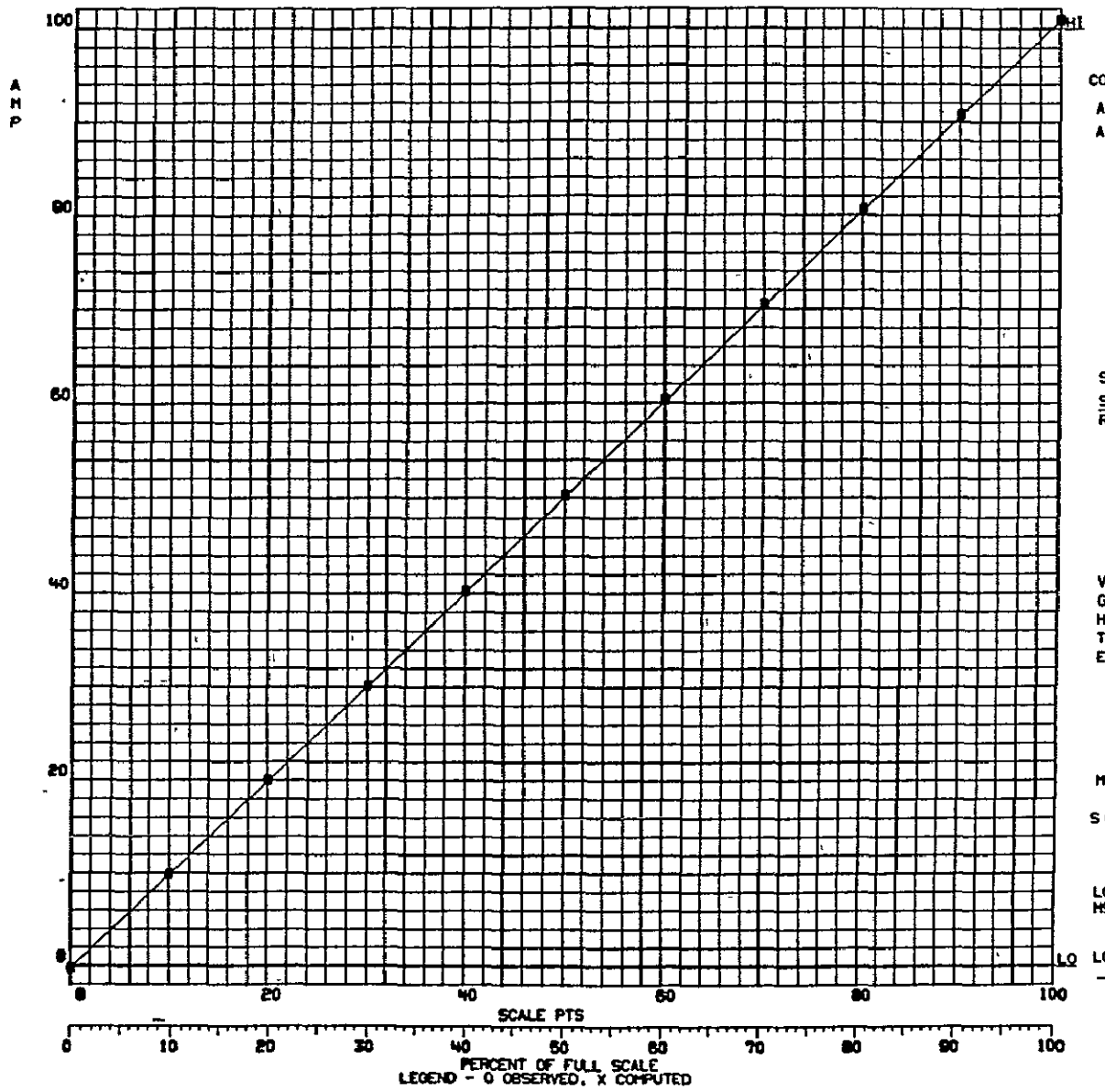
DC CURRENT FC 3 OUTPUT
INSTALLATION DATE MAY. 15,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75735- 1	N/A
77940- 1	097602208117

0459-77-03-
0000 0312

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-2.410E-01
A_1= 1.010E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2115C- 1-0

LOADING NO.
H9P3

MINIMUM LOADING NO.

06/29/71
5 . 0

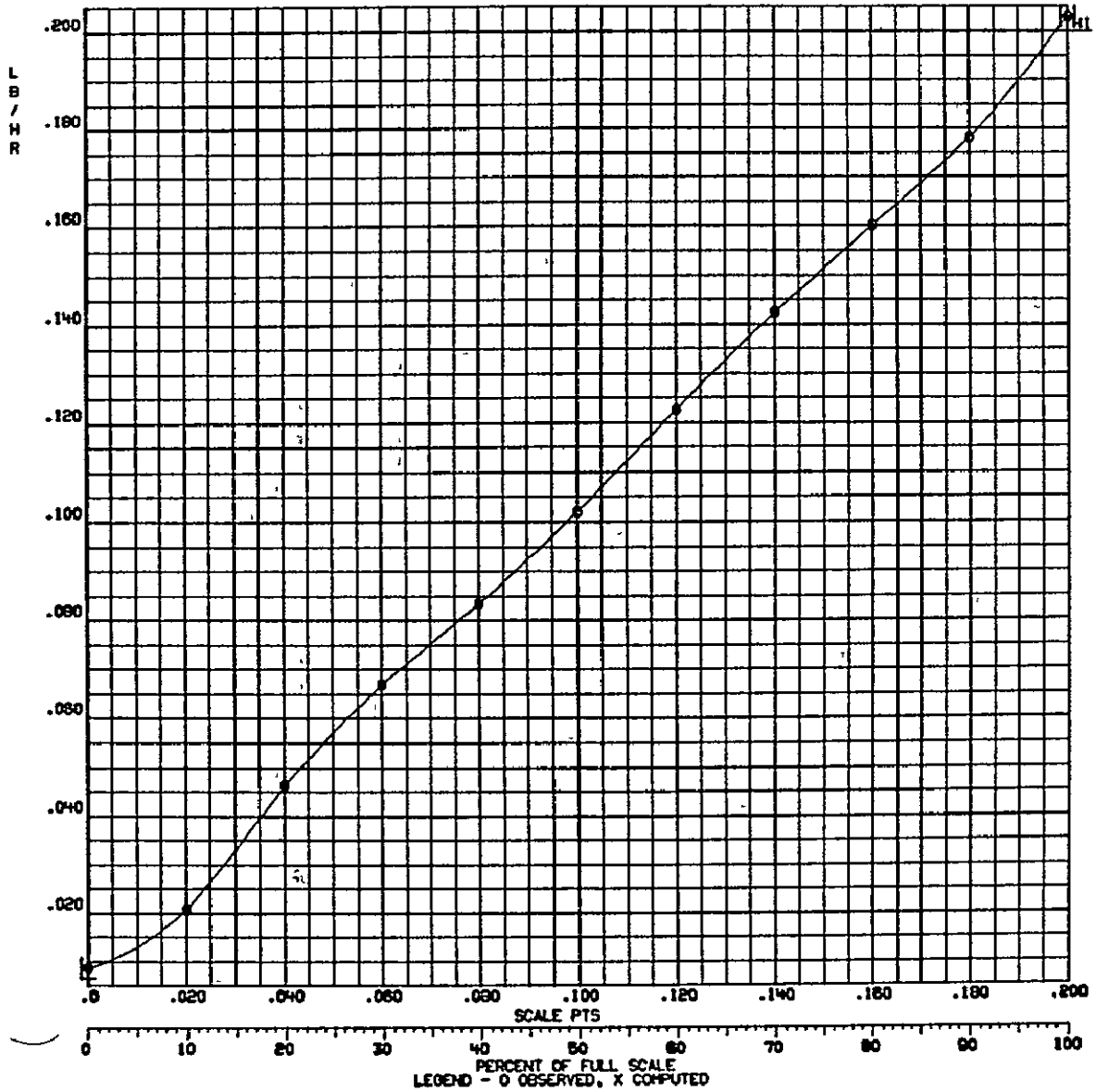
FLOW RATE H2 FC 1
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
04685- 3	07686REC2148
77044- 1	097603837116

0459-77-03-
0000 0313

RANGE
0.0
TO
.2000



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER.
S C2139R- 1-0

LOADING NO
M3P3

MINIMUM
LOADING NO.

06/29/71
5 . 0

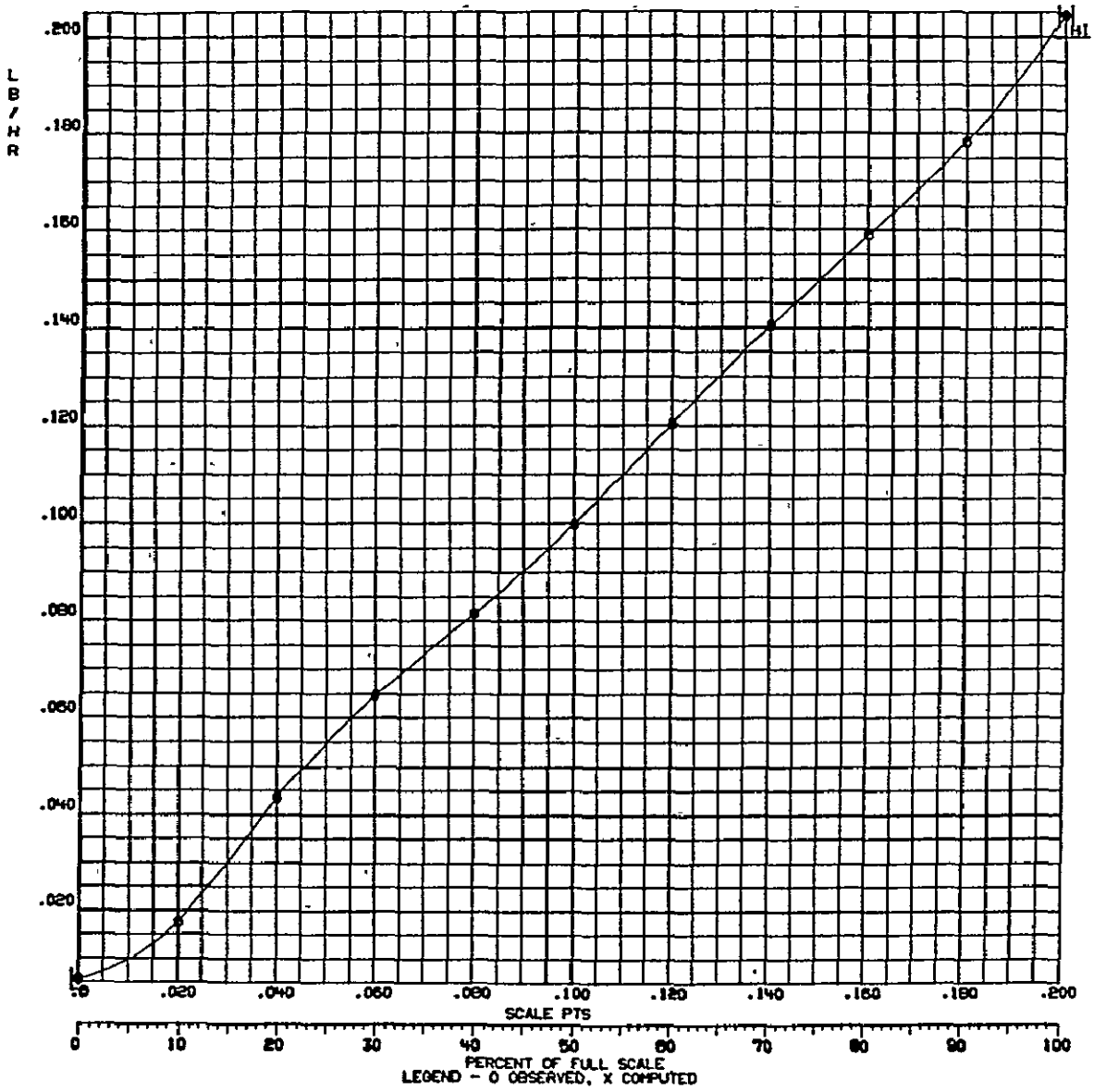
FLOW_RATE H2 FC 2
INSTALLATION DATE OCT. 1.1969

SC-113

HARDWARE CALIB. NO. SERIAL NO.
04609- 3 07696REC2106
77944- 1 097603837116

0459-77-03-
0000 0314

RANGE
0.0
TO
.2000



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND HI OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S C2140R- 1-0

LOADING NO.
M3P3

MINIMUM
LOADING NO.

06/29/71
5 . 0

FLOW RATE H2 FC 3

INSTALLATION DATE OCT. 1,1969

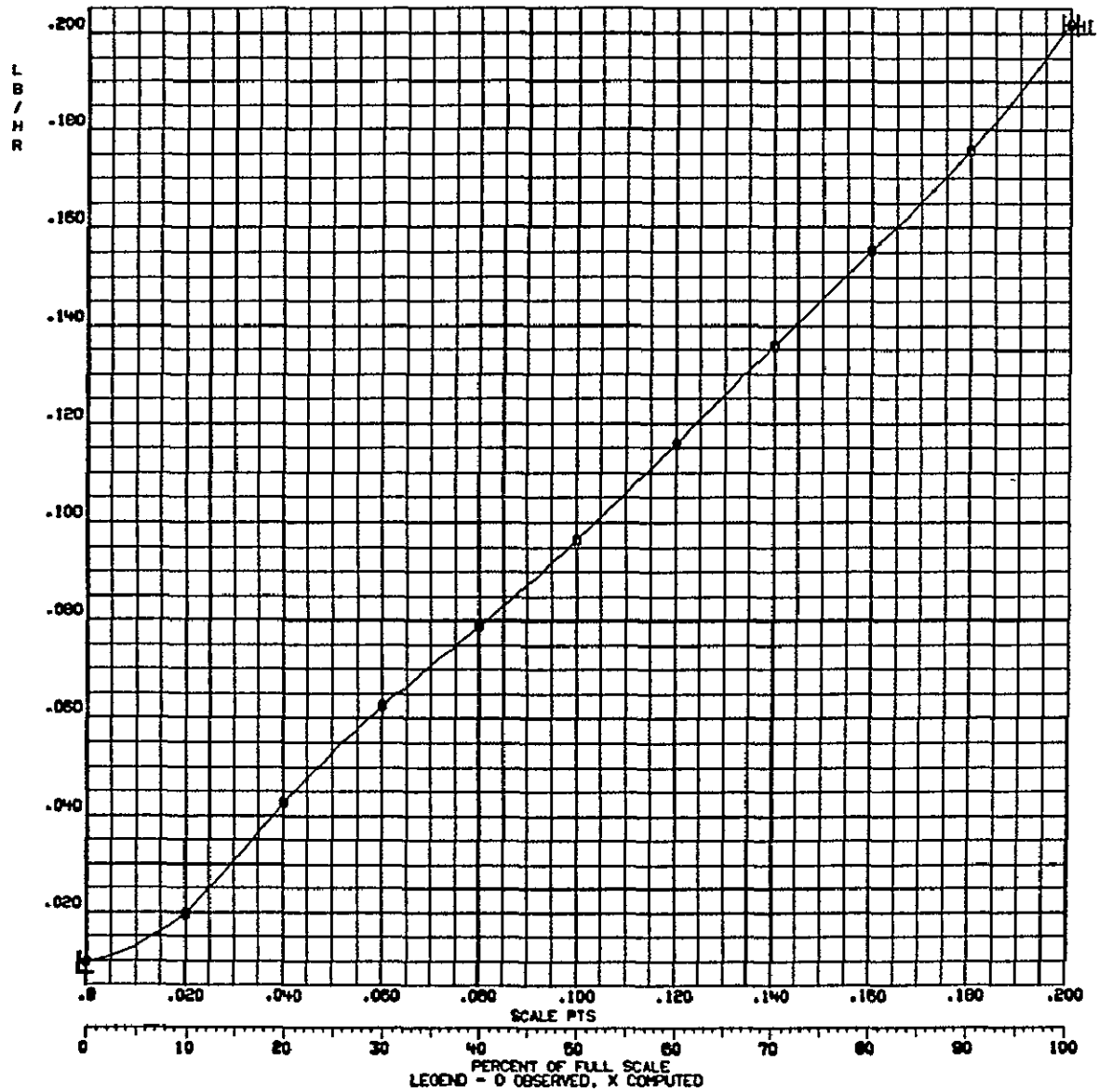
SC-113

HARDWARE CALIB. NO.	SERIAL NO.
6734- 3	07666REC2072
7784- 1	097603837116

0459-77-02
0000 0315

RANGE
0.0
TO
.2000

PIECE-WISE
CURVE FIT



VALUES BEYOND END POINTS (L AND H) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2141R- 1-0

LOADING NO.
M3P3

MINIMUM LOADING NO.

06/29/71
5 . 0

FLOW RATE 02 FC 1
INSTALLATION DATE OCT. 1,1969

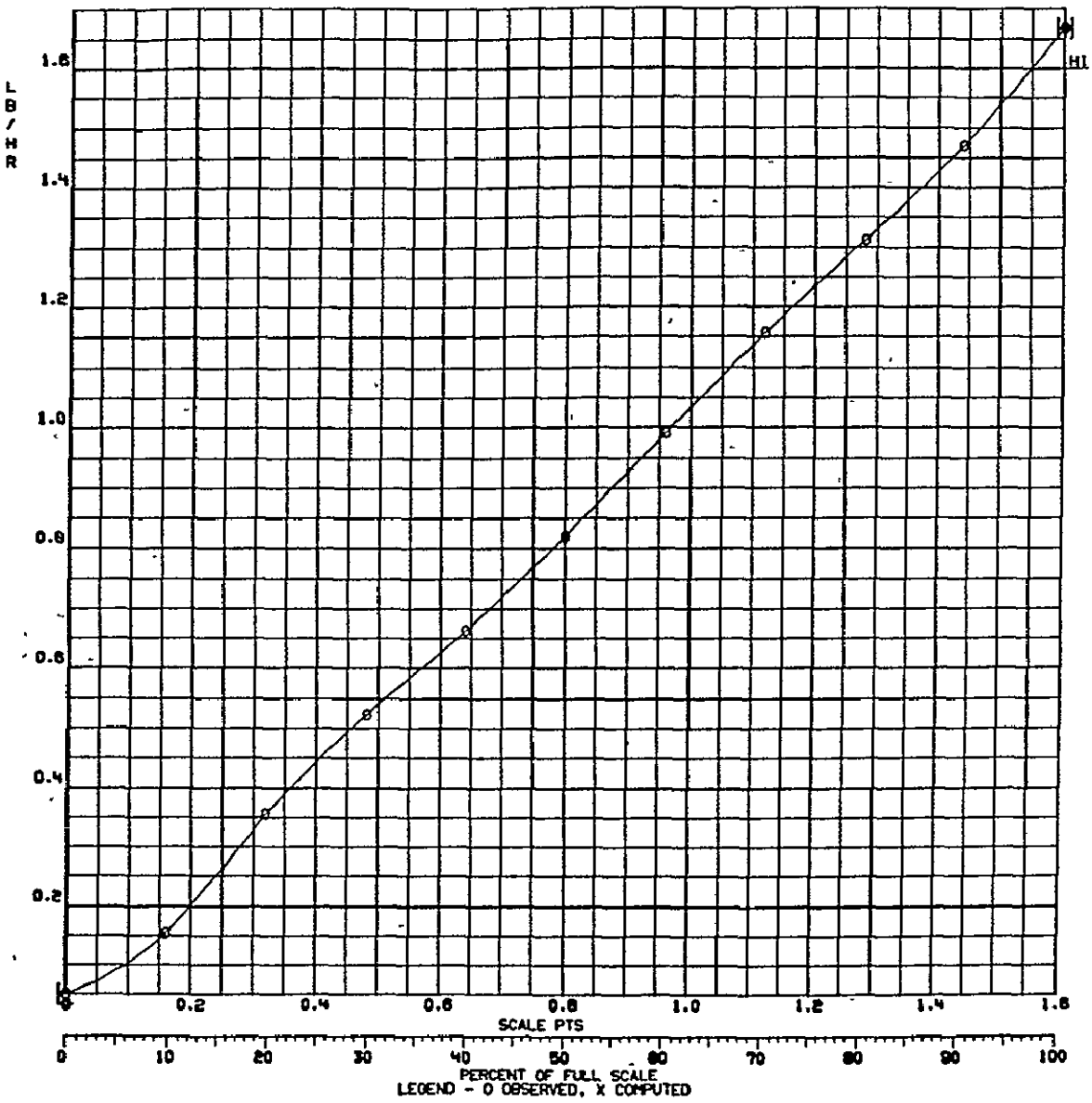
SC-113

HARDWARE CALIB. NO.	SERIAL NO.
577U7- 3	07686REC1145
77845- 1	097603837116

0459-77-0a
0000 0316

RANGE
0.0
TO
1.600

HI PIECE-WISE CURVE FIT



VALUES BEYOND END POINTS (L AND HI) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2142R- 1-0

LOADING NO
M3P3

MINIMUM LOADING NO

06/29/71
5 . 0

FLOW RATE 02 FC 2
INSTALLATION DATE OCT. 1,1969

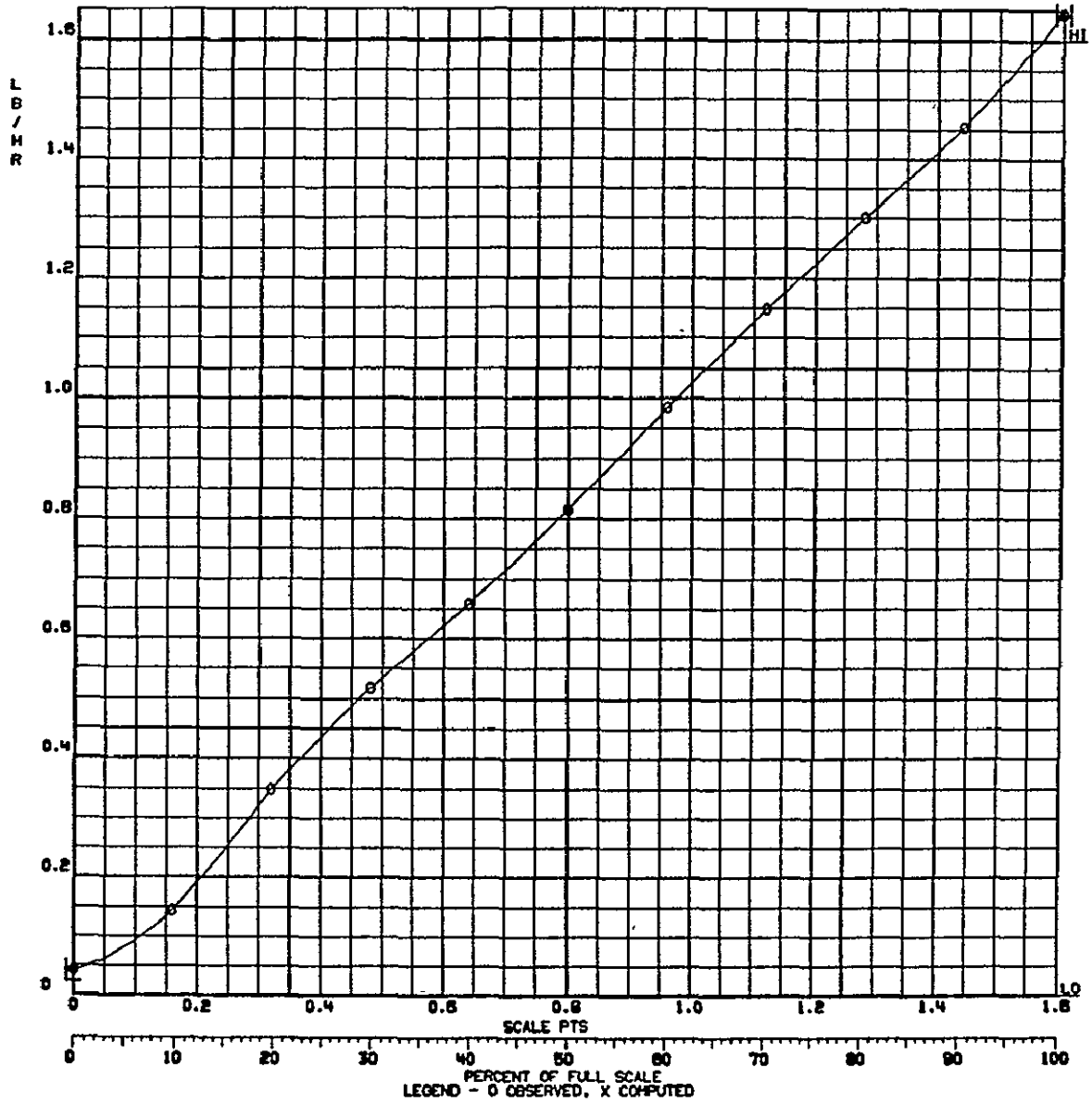
SC-113

HARDWARE CALIB. NO.	SERIAL NO.
57269- 2	07686REC1140
77945- 1	097603837116

0459-77-05
0000 0317

RANGE
0.0
TO
1.600

PIECE-WISE
CURVE FIT



VALUES BEYOND
END POINTS
(L AND HI) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S C2143R- 1-0

LOADING NO.
M3P3

MINIMUM
LOADING NO.

06/29/71
5 . 0

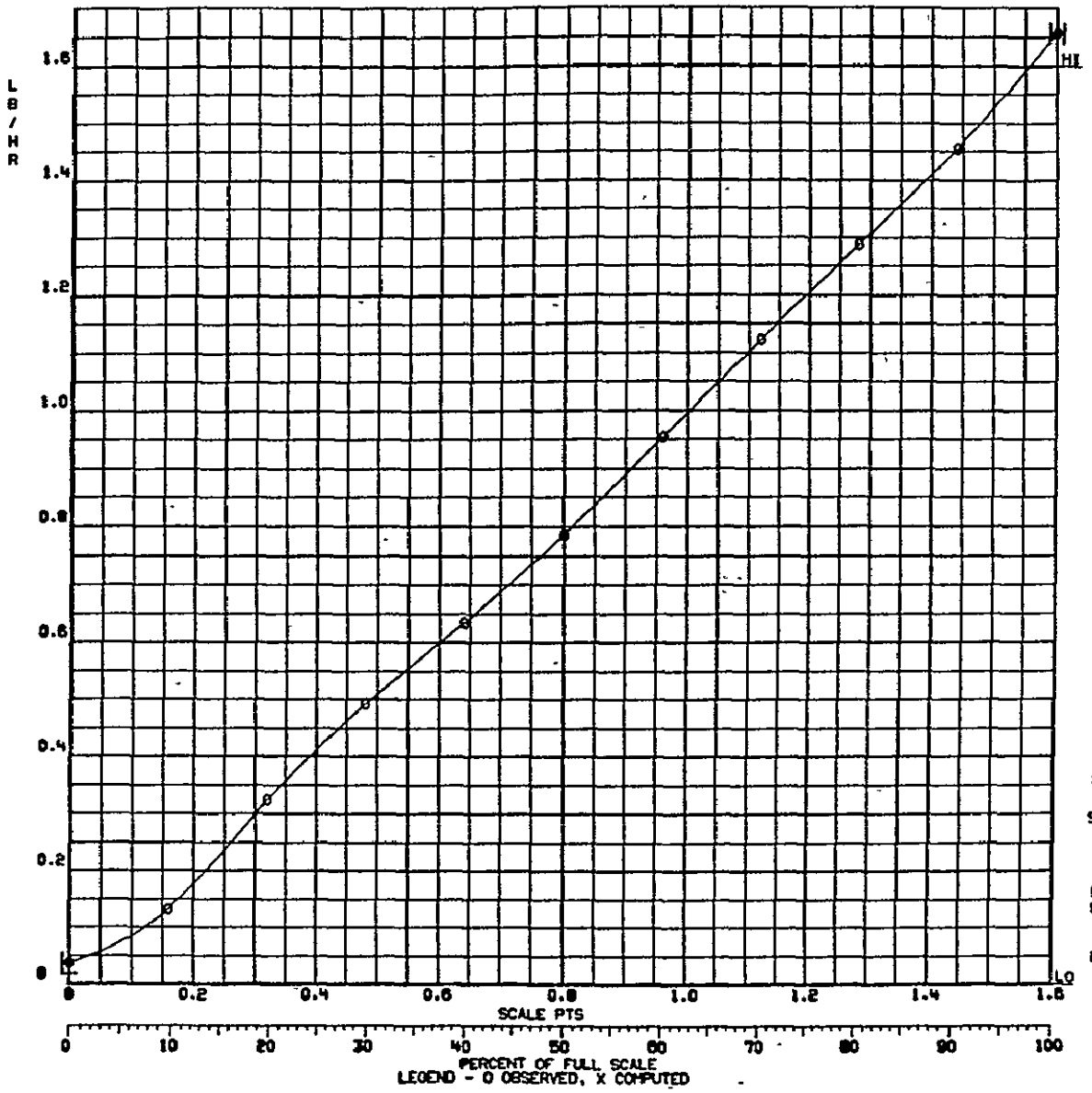
FLOW RATE 02 FC 3
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
56804- 5	07686REC1115
77845- 1	0976038371 16

0459-77-03
0000 0318

RANGE
0.0
TO
1.600



PIECE-WISE CURVE FIT

VALUES BEYOND END POINTS (L AND H) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C2144R- 1-0

LOADING NO.
M3P3

MINIMUM LOADING NO.
———

7 C96

08/09/71
5 . 0

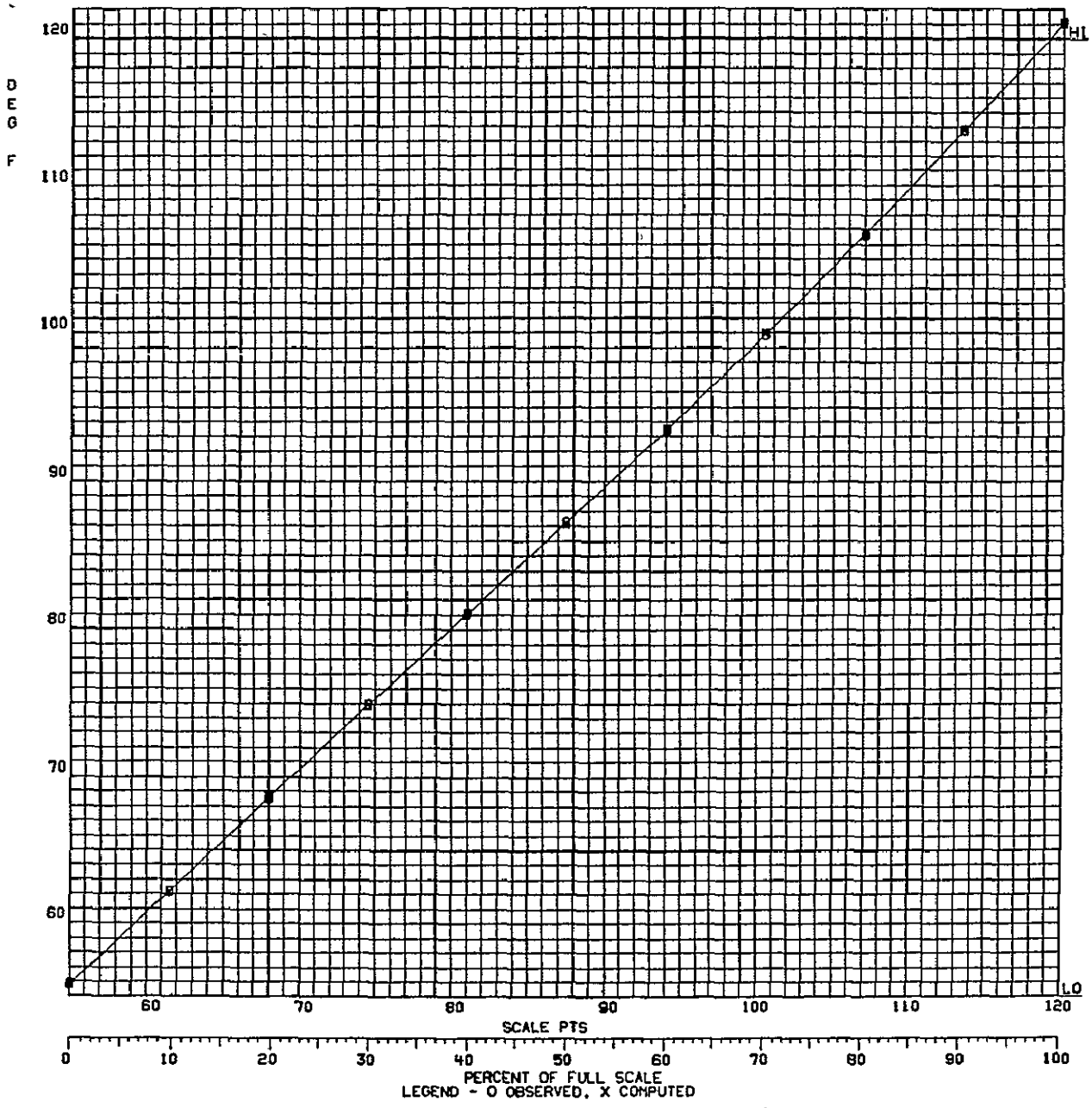
TEMP PRIMARY RADIATOR INLET
INSTALLATION DATE FEB. 9,1971

SC-113

HARDWARE CALIB. NO	SERIAL NO
78771- 1	089870002011
79082- 1	089870002010
80979- 1	097602430116

0459-77-53
0000 0017

RANGE
55.00
TO
120.0



EQUATION COEFFICIENTS

A_0= 8 369E 01
A_1=-4 444E 00
A_2= 1 395E-01
A_3=-1.730E-03
A_4= 1.031E-05
A_5=-2.357E-08

SIGMA=.02749

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00042

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S F0280 T- 2-0

LOADING NO.
M19P2

MINIMUM LOADING NO

08/09/71.
5 . 0

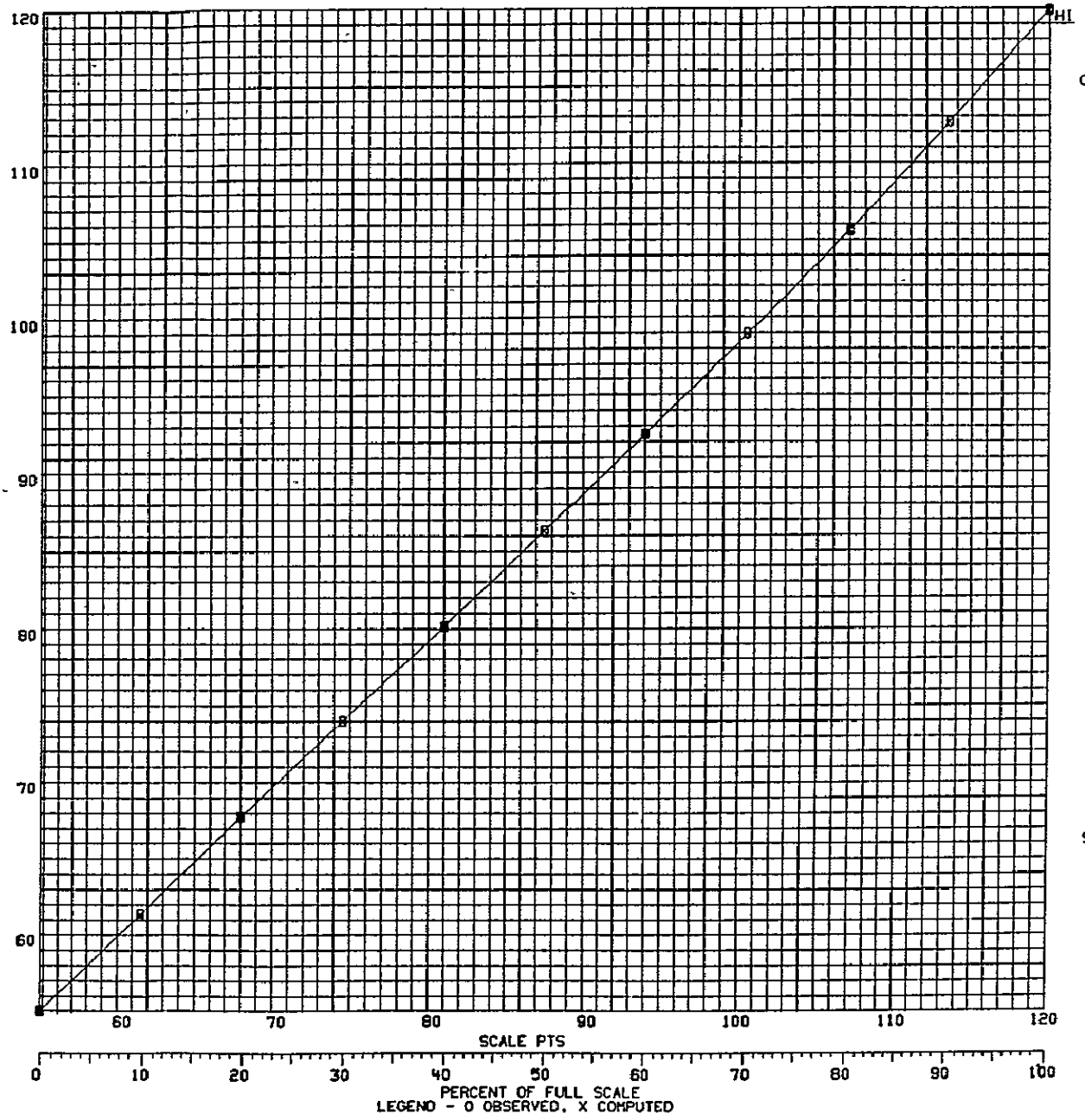
SC-113

0459-77-53
0000 0018

TEMP SECONDARY RADIATOR INLET
INSTALLATION DATE FEB 9,1971

HARDWARE CALIB. NO	SERIAL NO.
78773- 1	089870002006
79083- 1	089870002010
80979- 1	097602430116

RANGE
55 00
TO
120 0



EQUATION
COEFFICIENTS

A_0= 9 162E 01
A_1=-4.784E 00
A_2= 1.446E-01
A_3=-1.756E-03
A_4= 1.027E-05
A_5=-2.305E-08

SIGMA= 01481

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00022

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S F0262T- 2-0

LOADING NO
M19P2

MINIMUM
LOADING NO

08/09/71
5 . 0

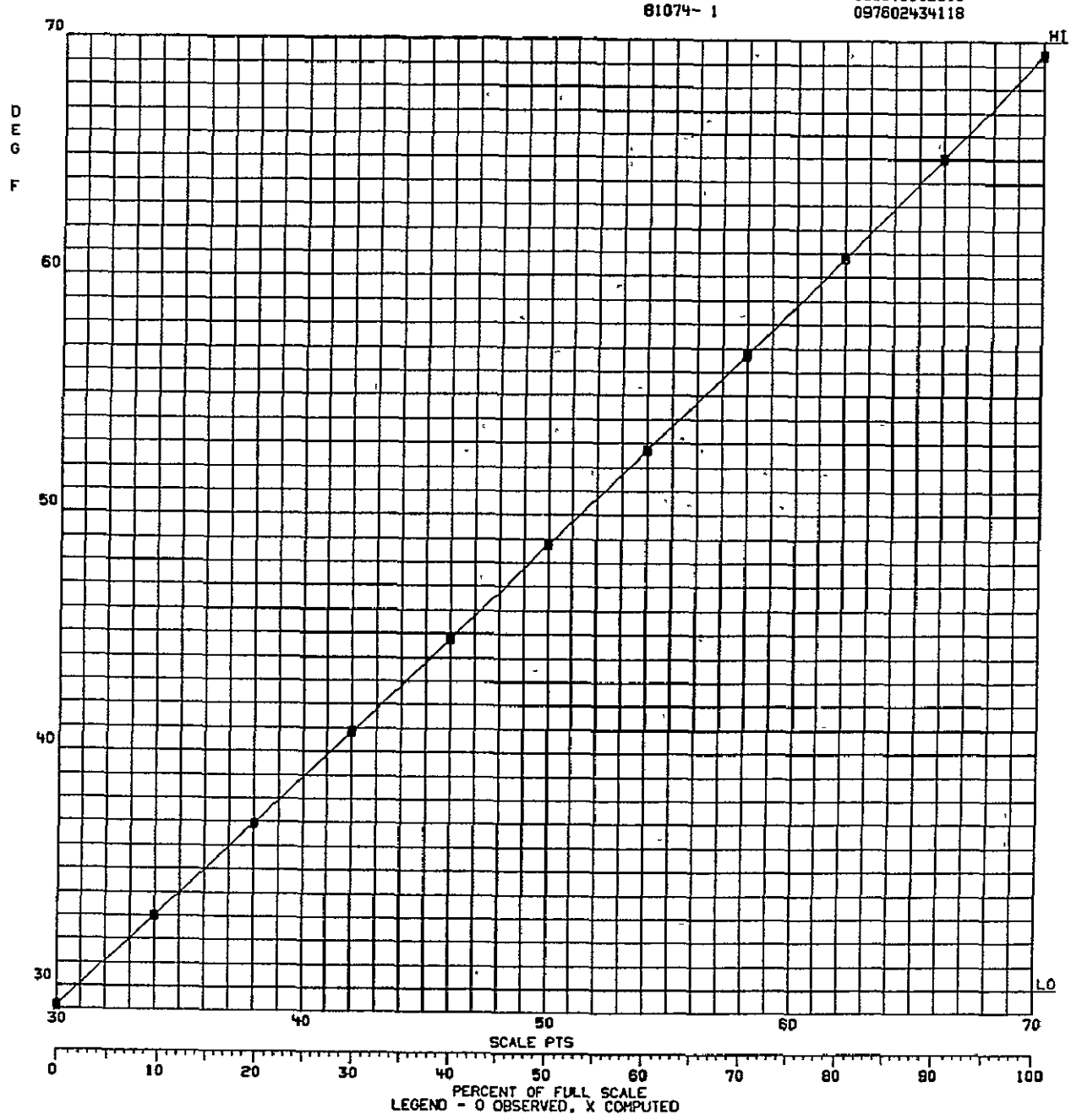
TEMP SEC RADIATOR OUTLET
INSTALLATION DATE FEB. 9,1971

SC-113

HARDWARE CALIB. NO	SERIAL NO
78775- 1	089870002003
79084- 1	089870002010
81074- 1	097602434118

0459-77-53
0000 0019

RANGE
30.00
TO
70.00



EQUATION
COEFFICIENTS

A_0= 6 502E 00
A_1= 3 654E-01
A_2= 2 074E-02
A_3=-3.125E-04
A_4= 1.787E-06

SIGMA= 01437

$\frac{SIGMA}{RANGE}$= 00035

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S F0263 T- 2-0

LOADING NO
M12P2

MINIMUM
LOADING NO.

06/29/71
1 . 0

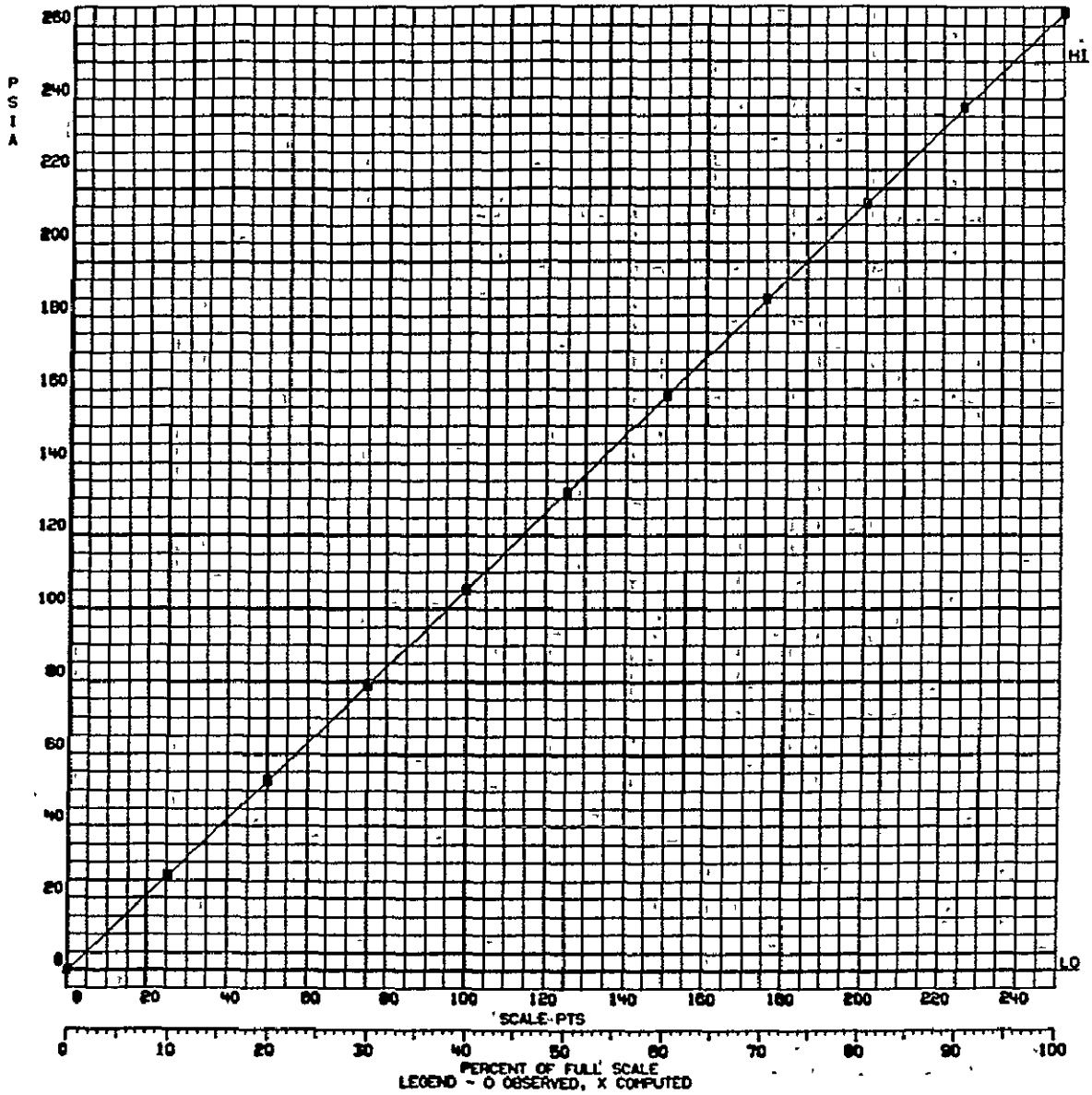
PRESS OXIDIZER TANKS
INSTALLATION DATE MAR. 19,1971

SC-113

HARDWARE CALIB. NO. SERIAL NO.
64832-3 103086030S7A
77843-1 097603823119

0459-77-0.3-
0000 0345

RANGE
0.0
TO
250.0



EQUATION COEFFICIENTS

A_0=-1.003E-01
A_1= 1.055E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0003P- 2-0

LOADING NO.
M2P3

MINIMUM LOADING NO.

06/29/71
5 . 0

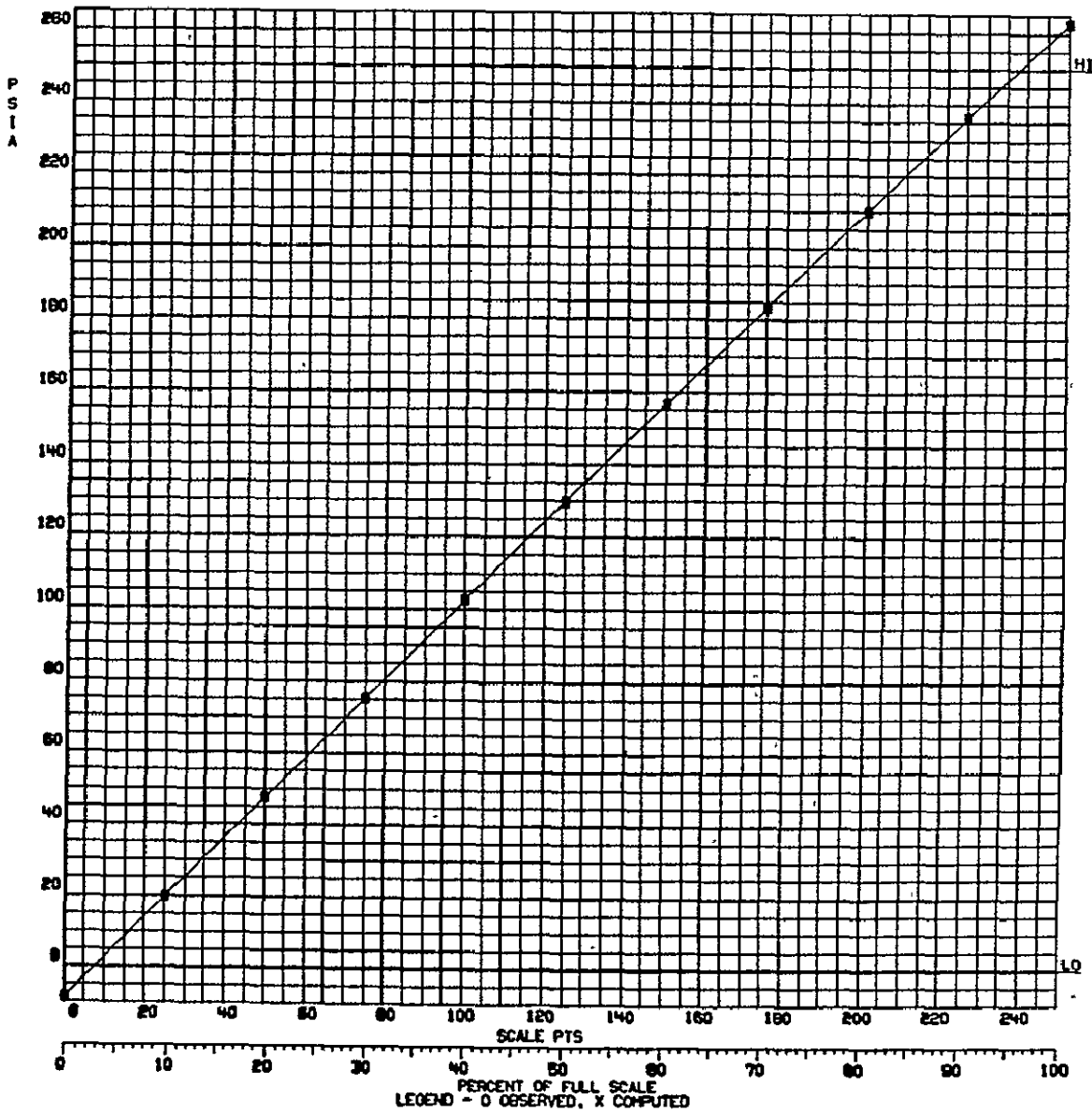
PRESS FUEL TANKS
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO	SERIAL NO.
76806- 1	10308603101A
77842- 1	097603823119

0459-77-02
0000 0346

RANGE
0.0
TO
250.0



EQUATION COEFFICIENTS
A_0=-8.576E 00
A_1= 1.129E 00
A_2=-1.754E-04

SIGMA=.00000
SIGMA/RANGE=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0006P- 1-0

LOADING NO.
M2P3

MINIMUM LOADING NO.

06/29/71
1.0

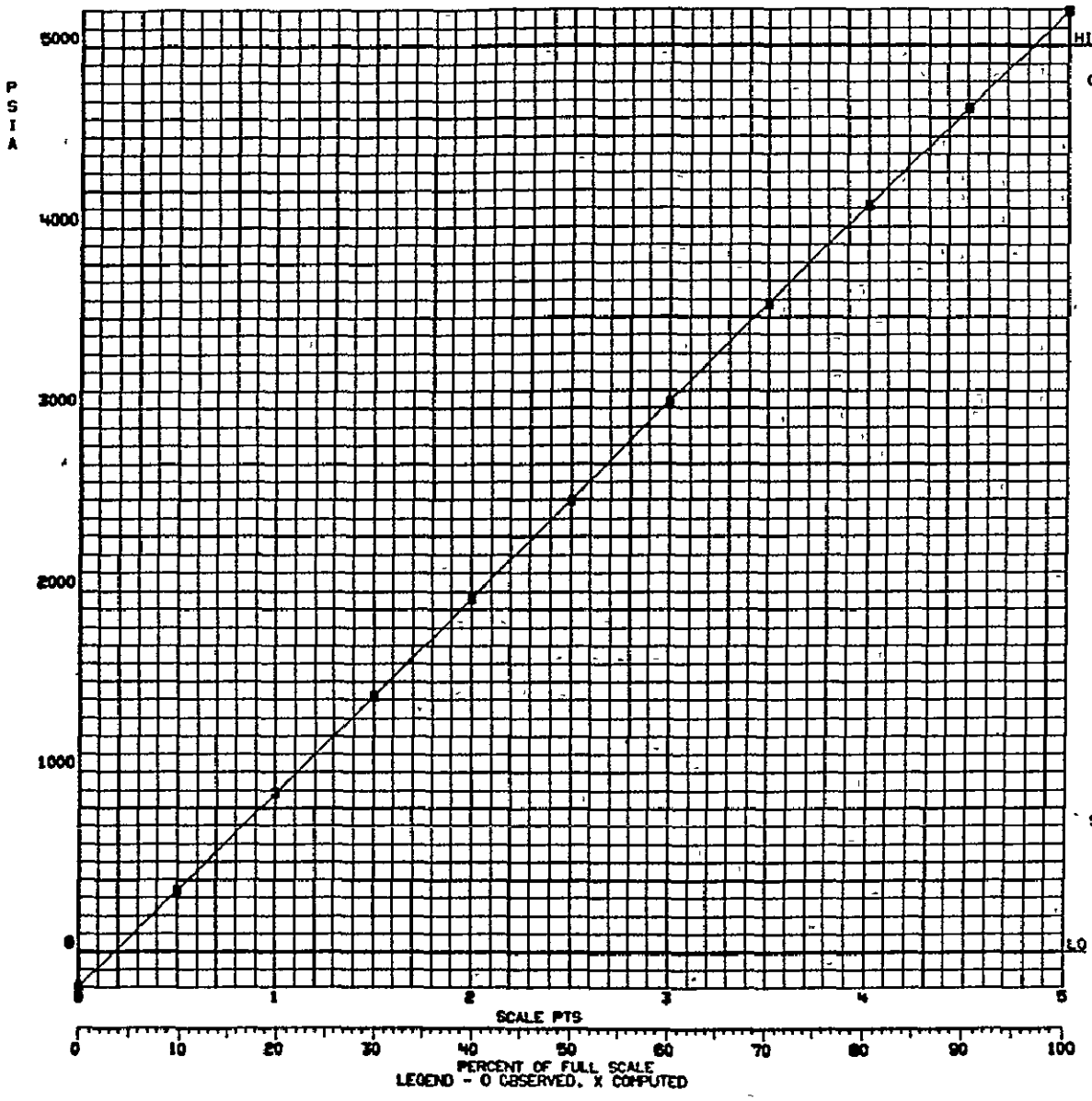
SC-113

0459-77-0
0000 0347

HE TANK PRESS DISPLAY
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
57830-3	10095H12887A
77839-1	097603838120

RANGE
0.0
TO
5000.



EQUATION COEFFICIENTS

A_0=-1.955E 02
A_1= 1 077E 03

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0035P- 1-0

LOADING NO.
HIP3

MINIMUM LOADING NO.

06/29/71
5 . 0

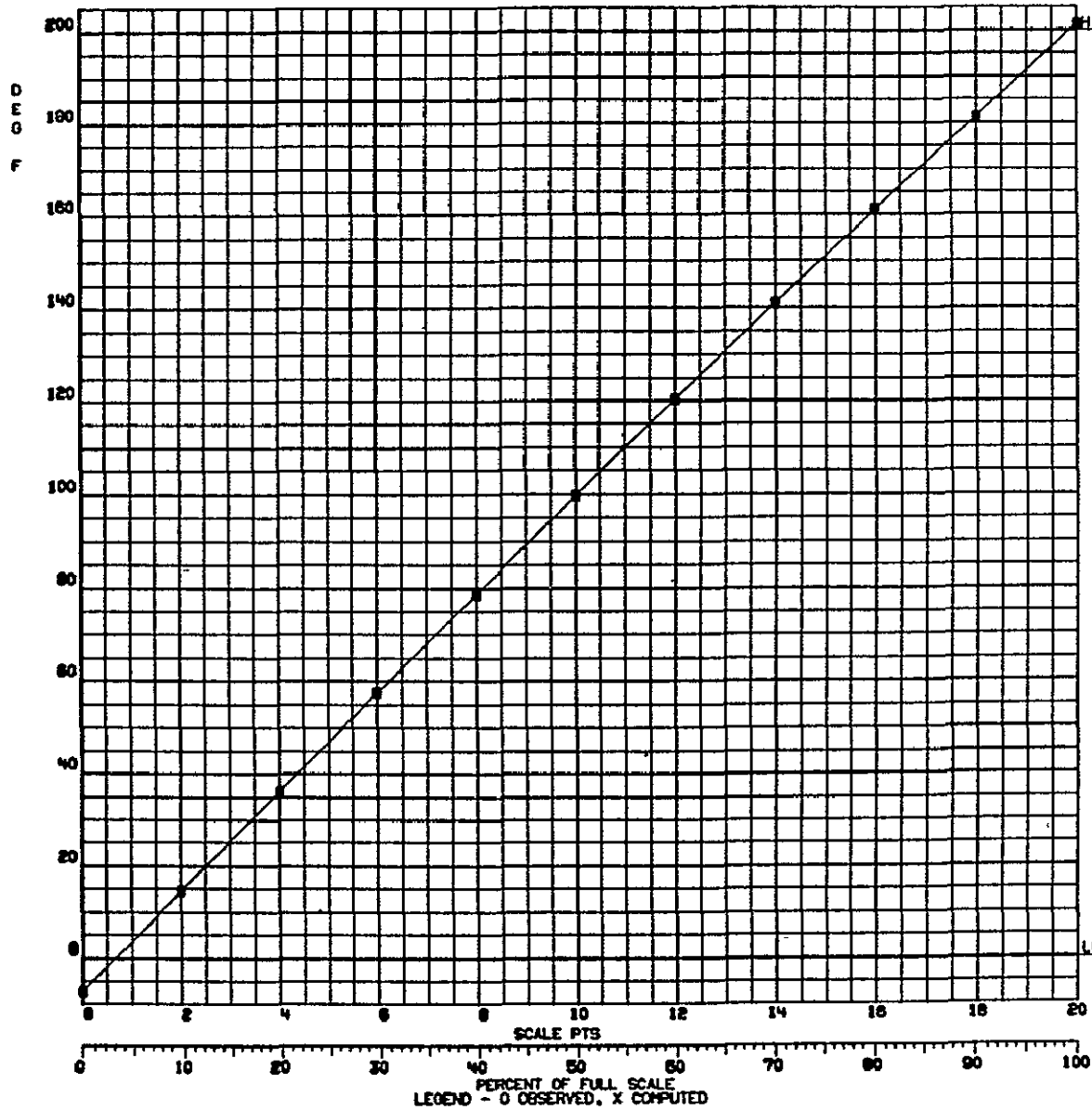
SC-113

0459-77-05
0000 0348

TEMP FUEL FEED LINE
INSTALLATION DATE OCT. 31,1969

HARDWARE CALIB. NO.	SERIAL NO.
78819- 1	10308612649A
77838- 1	097603838120

RANGE
0.0
TO
200.0



EQUATION COEFFICIENTS

A_0=-7.299E 00
A_1= 1.095E 01
A_2=-2.652E-02

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0048T- 1-0

LOADING NO.
M1P3

MINIMUM LOADING NO.

06/29/71
5 , 0

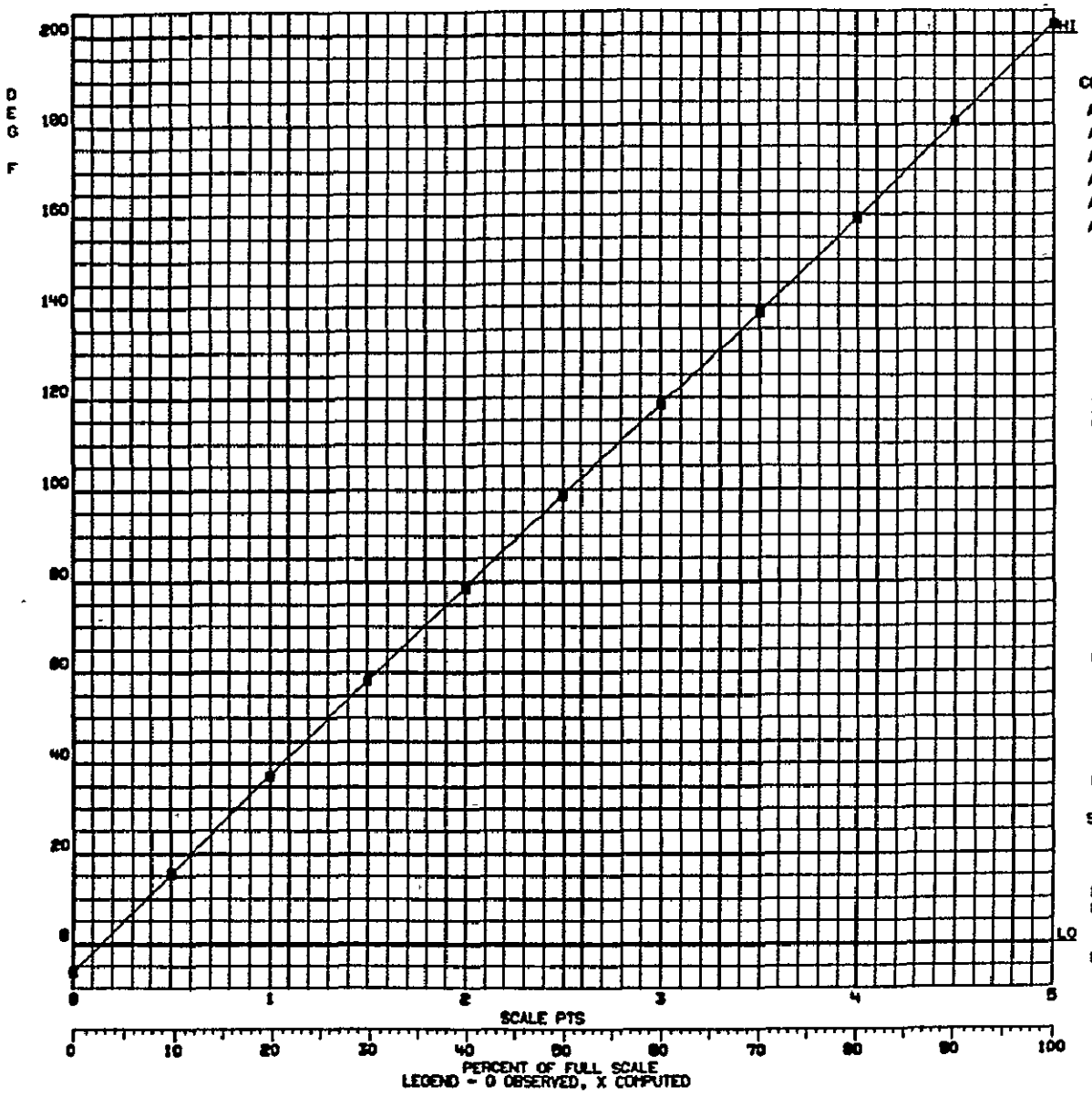
SC-113

0459-77-03
0000 0349

TEMP OX FEED LINE
INSTALLATION DATE OCT. 31,1969

HARDWARE CALIB. NO.	SERIAL NO.
76156-2	10095H2316A
04895- 1	097602221110

RANGE
0.0
TO
200.0



EQUATION COEFFICIENTS

A_0=-8.318E 00
A_1= 4.321E 01
A_2= 1.804E 00
A_3=-1.888E 00
A_4= 4.815E-01
A_5=-3.763E-02

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
SP0049T- 1-0

LOADING NO.
MMP101

MINIMUM LOADING NO.

06/29/71
1 . 0

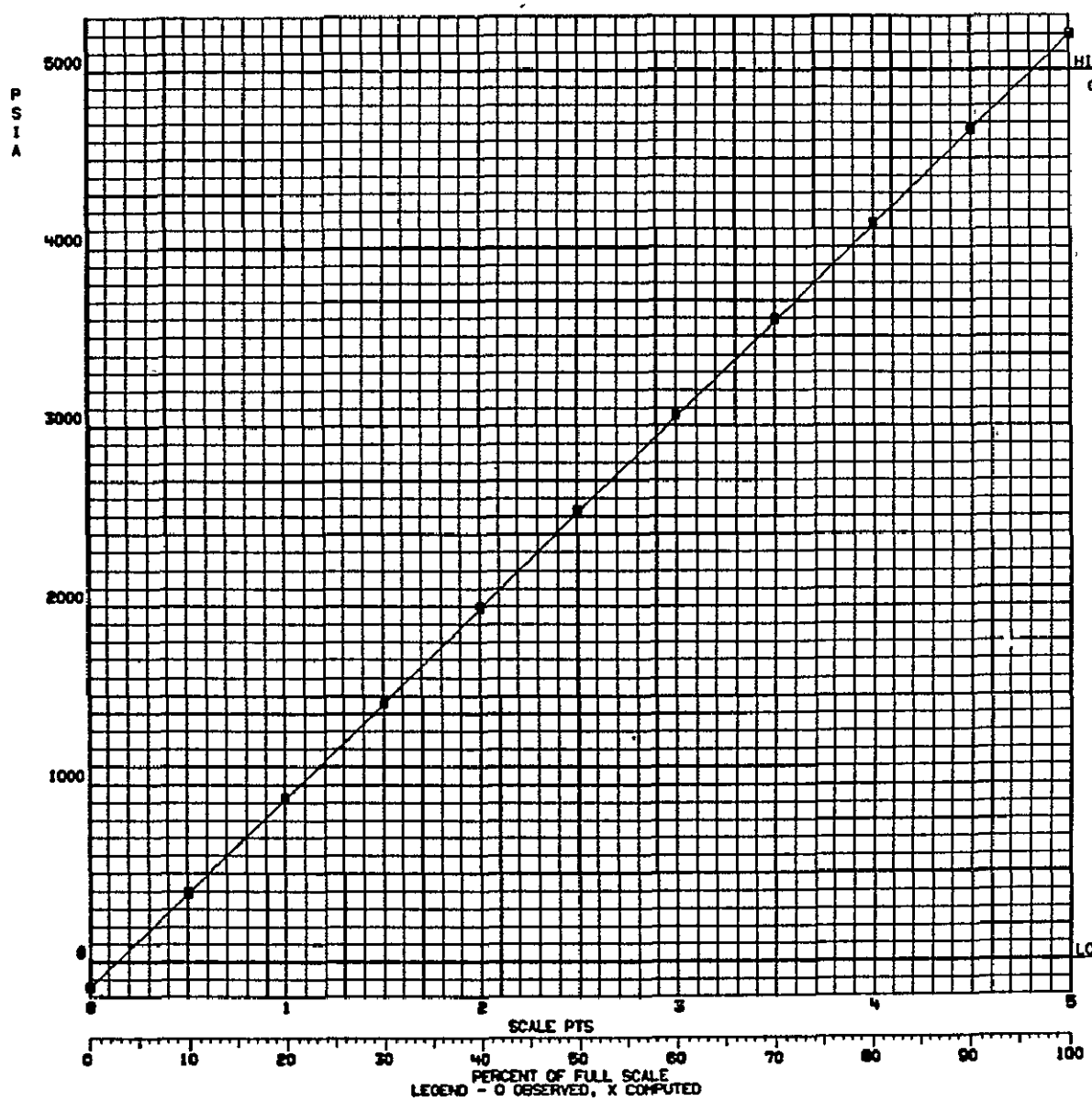
SPS PRPLNT TKS N2 A PRESS
INSTALLATION DATE MAR. 13,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
81521- 3	10095433033H
77839- 1	097803835120

0459-77-03
0000 0350

RANGE
0.0
TO
5000.



EQUATION COEFFICIENTS
A_0=-1.442E 02
A_1= 1.069E 03

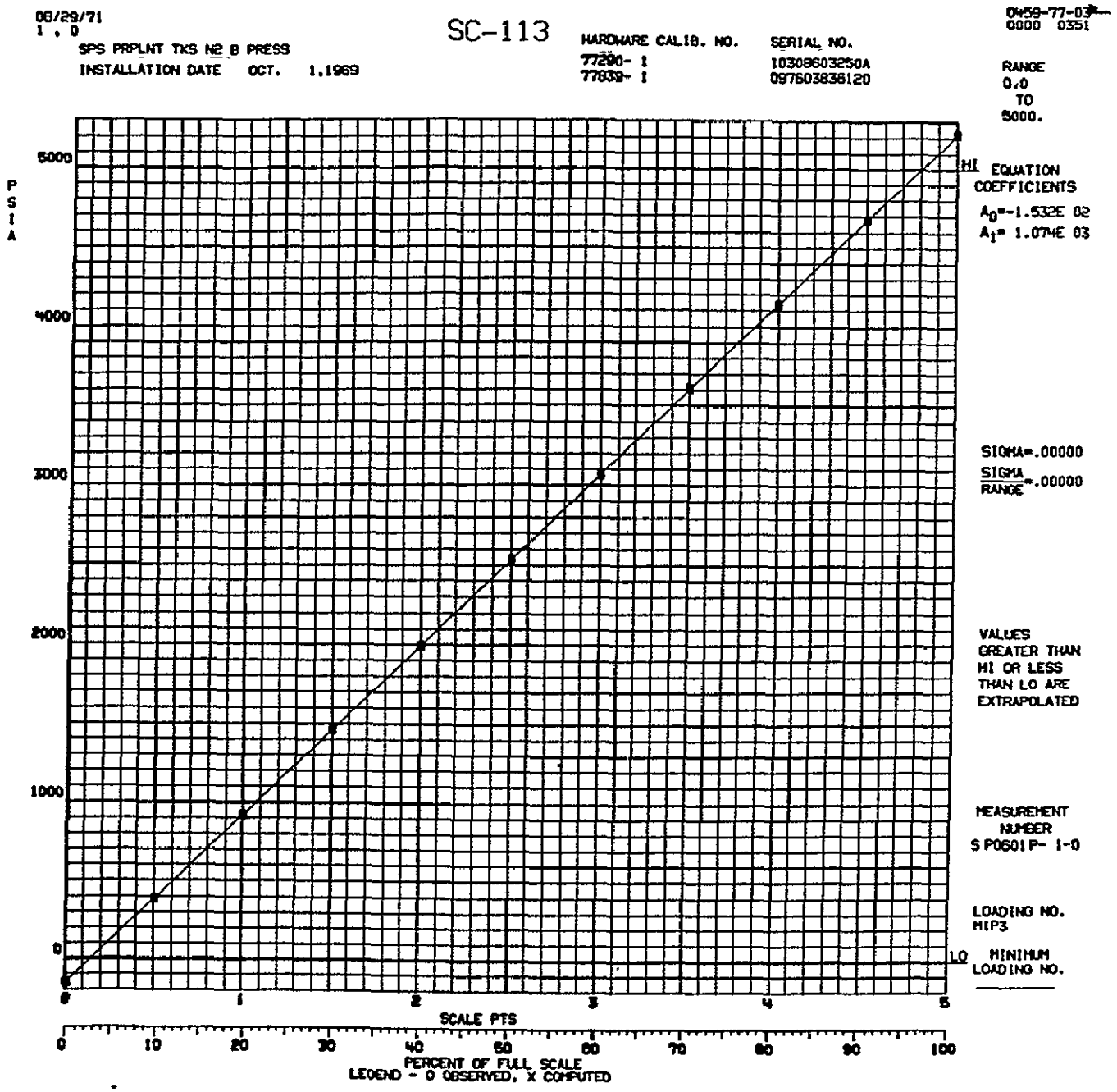
SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0600P- 2-0

LOADING NO.
H1P3

MINIMUM LOADING NO.


06/29/71
1 . 0
SPS PRPLNT TKS N2 B PRESS
INSTALLATION DATE OCT. 1.1969
SC-113
HARDWARE CALIB. NO.
77290- 1
77839- 1
SERIAL NO.
103086032S0A
097603836120
0459-77-03
0000 0351
RANGE
0.0
TO
5000.
HI EQUATION COEFFICIENTS
A0=-1.532E 02
A1= 1.074E 03
SIGMA=.00000
SIGMA/RANGE=.00000
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED
MEASUREMENT NUMBER
S P0601P- 1-0
LOADING NO.
HIP3
LO MINIMUM LOADING NO.
PSIA
5000
4000
3000
2000
1000
0
0 1 2 3 4 5
SCALE PTS
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

06/29/71
1 . 0

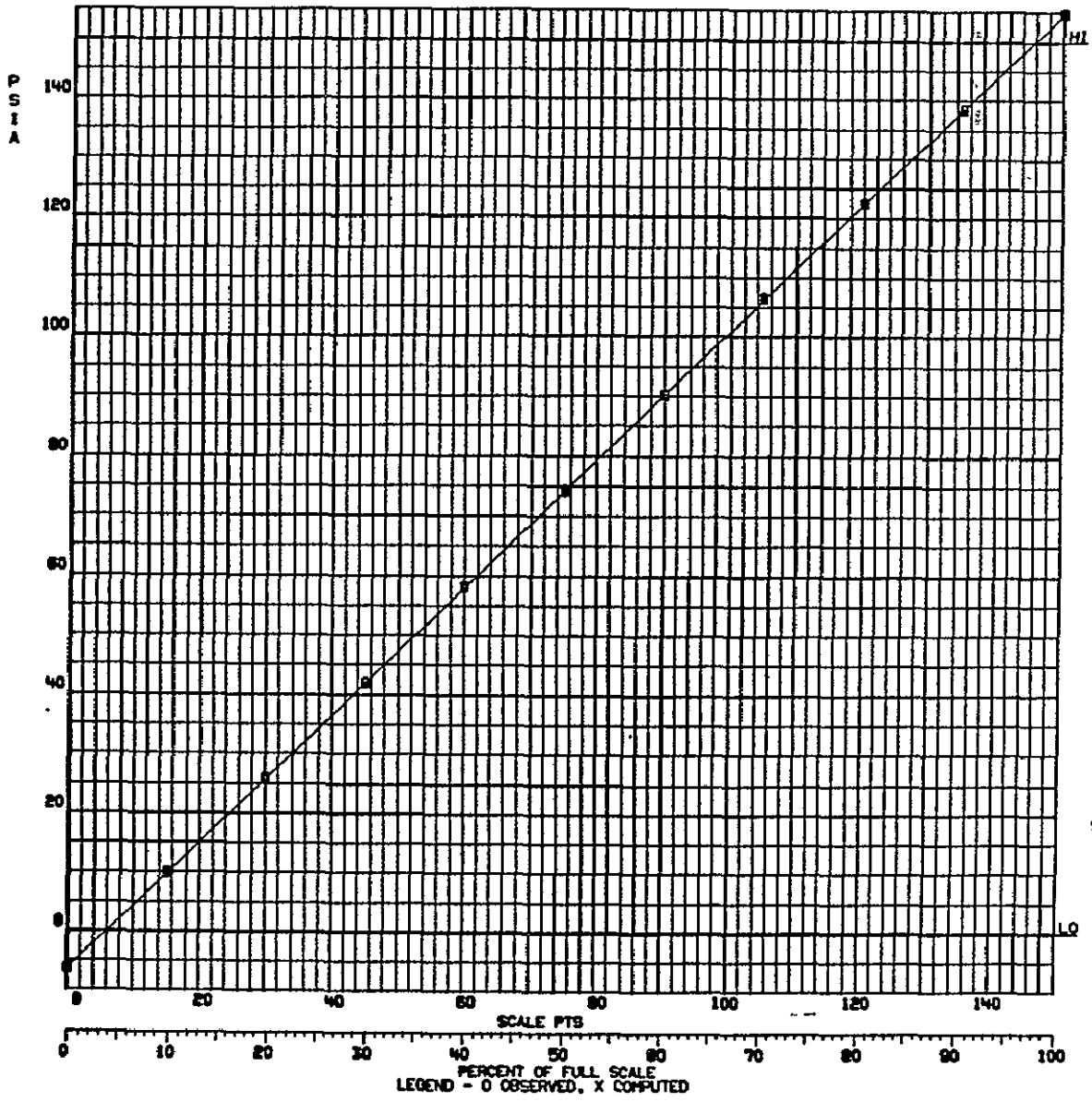
PRESS ENGINE CHAMBER
INSTALLATION DATE APR. 12,1971

SC-113

HARDWARE CALIB. NO. SERIAL NO.
76872- 2 10308603091A
04726- 1 097602220106

0459-77-03
0000 0352

RANGE
0.0
TO
150.0



EQUATION COEFFICIENTS
A_0= -6.276E 00
A_1= 1.073E 00

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0661P- 2-0

LOADING NO.
MHP1

MINIMUM LOADING NO

06/29/71
1 . 0

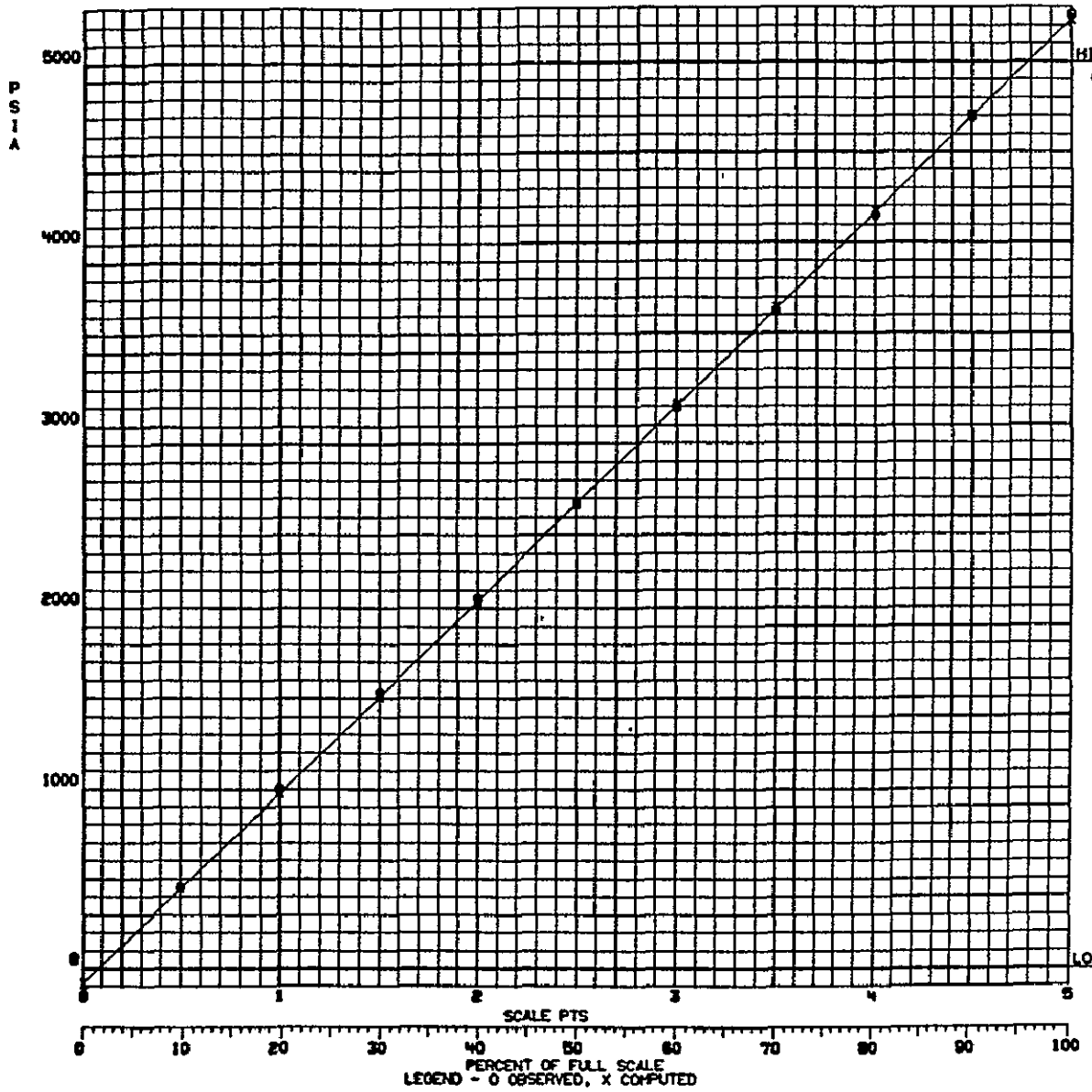
SC-113

HE PRESS TANK_A
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
57099- 4	100954025A7A
80655- 1	097603817113

0459-77-03
0000 0365

RANGE
0.0
TO
5000.



HI EQUATION COEFFICIENTS
A_0=-8.563E 01
A_1= 1.064E 03

SIGMA=16.429
SIGMA/RANGE=.00308

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5001P- 1-0

LOADING NO.
HIP2

MINIMUM LOADING NO.

07/10/71
1 , 0

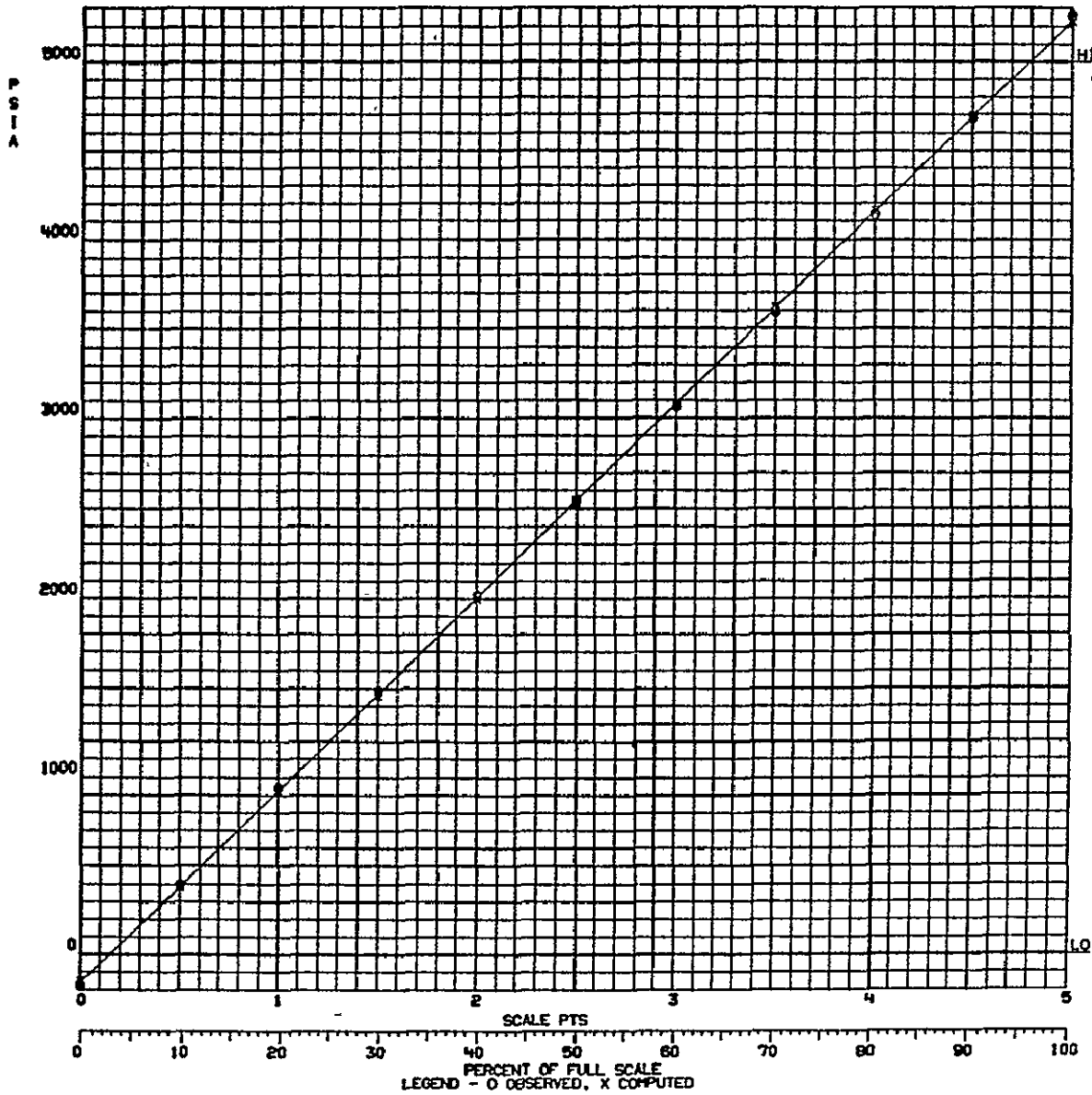
HE PRESS TANK B
INSTALLATION DATE JUL. 8,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
75035- 3	10095M4292NA
60666- 1	097603817113

0459-77-25
0000 0035

RANGE
0.0
TO
5000.



EQUATION COEFFICIENTS

A_0=-1.540E 02
A_1= 1.077E 03

SIGMA=16.633

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00308

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5002P- 2-0

LOADING NO
MIP2

MINIMUM LOADING NO.

08/29/71
1 . 0

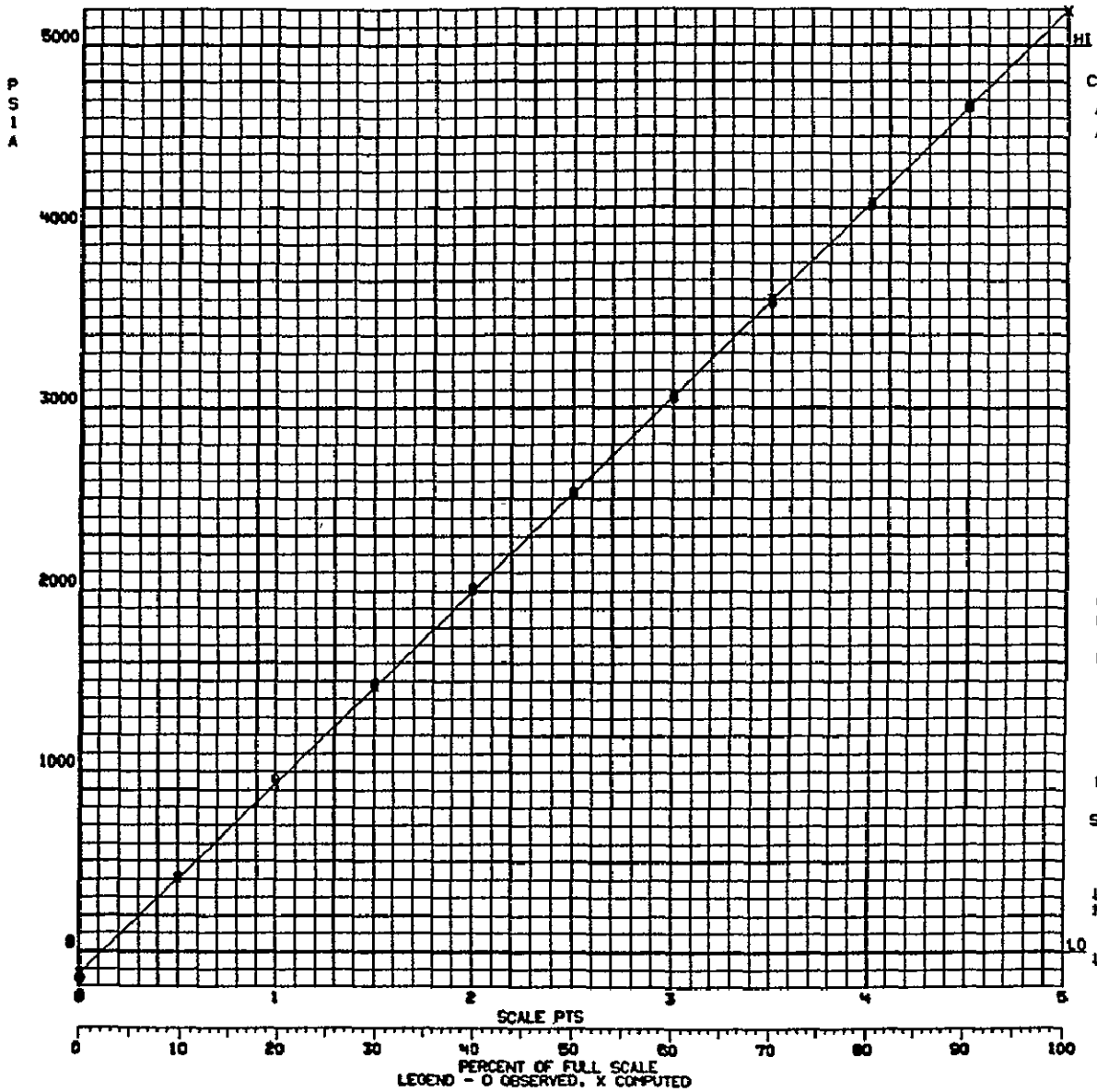
HE PRESS TANK C
INSTALLATION DATE OCT. 1.1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
57999--2	10095H2931A
80655- 1	097603817113

0459-77-0
0000 0367

RANGE
0.0
TO
5000.



EQUATION COEFFICIENTS

A_0=-1.257E 02
A_1= 1.064E 03

SIGMA=16.437

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00308

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5003P- 1-0

LOADING NO.
M1P2

MINIMUM LOADING NO.

06/29/71
1 , 0

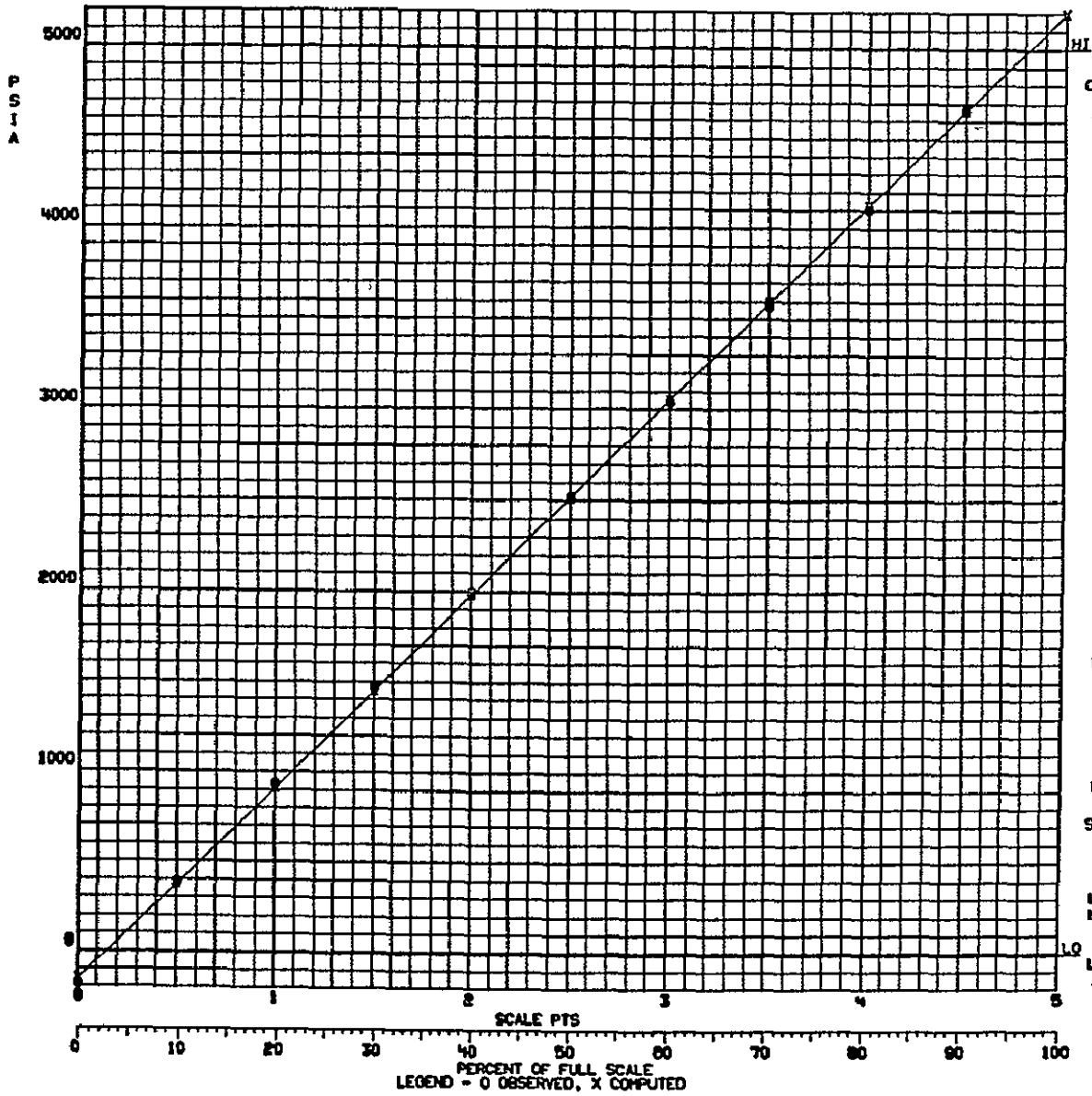
HE PRESS TANK D
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
77067- 1	1030860327HA
80655- 1	097603817113

0459-77-03
0000 0368

RANGE
0.0
TO
5000.



EQUATION COEFFICIENTS

A_0=-1.593E 02
A_1= 1.071E 03

SIGMA=16.545

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00308

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5004P- 1-0

LOADING NO.
MIP2

MINIMUM LOADING NO.

06/29/71
I , 0

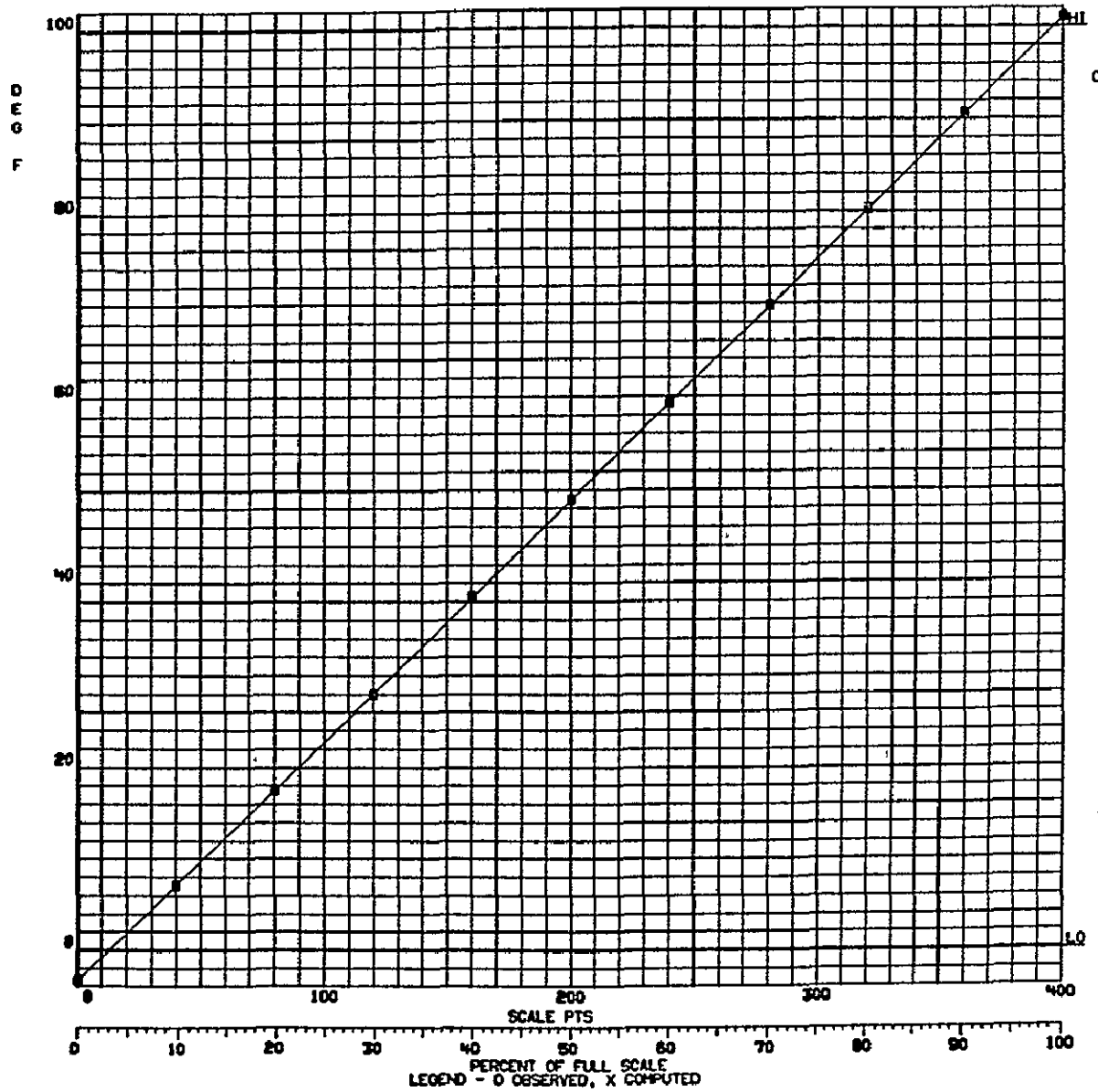
SC-113

0459-77-03
0000 0369

HE TEMP TANK A
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL.NO.
76442- 1	10095442340A
80494- 1	097603838114

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS
A_0=-3.321E 00
A_1= 2.611E-01

SIGMA=.00000
SIGMA/RANGE=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
SR5013T- 1-0

LOADING NO.
M2P2

MINIMUM LOADING NO.

07/10/71
1.0

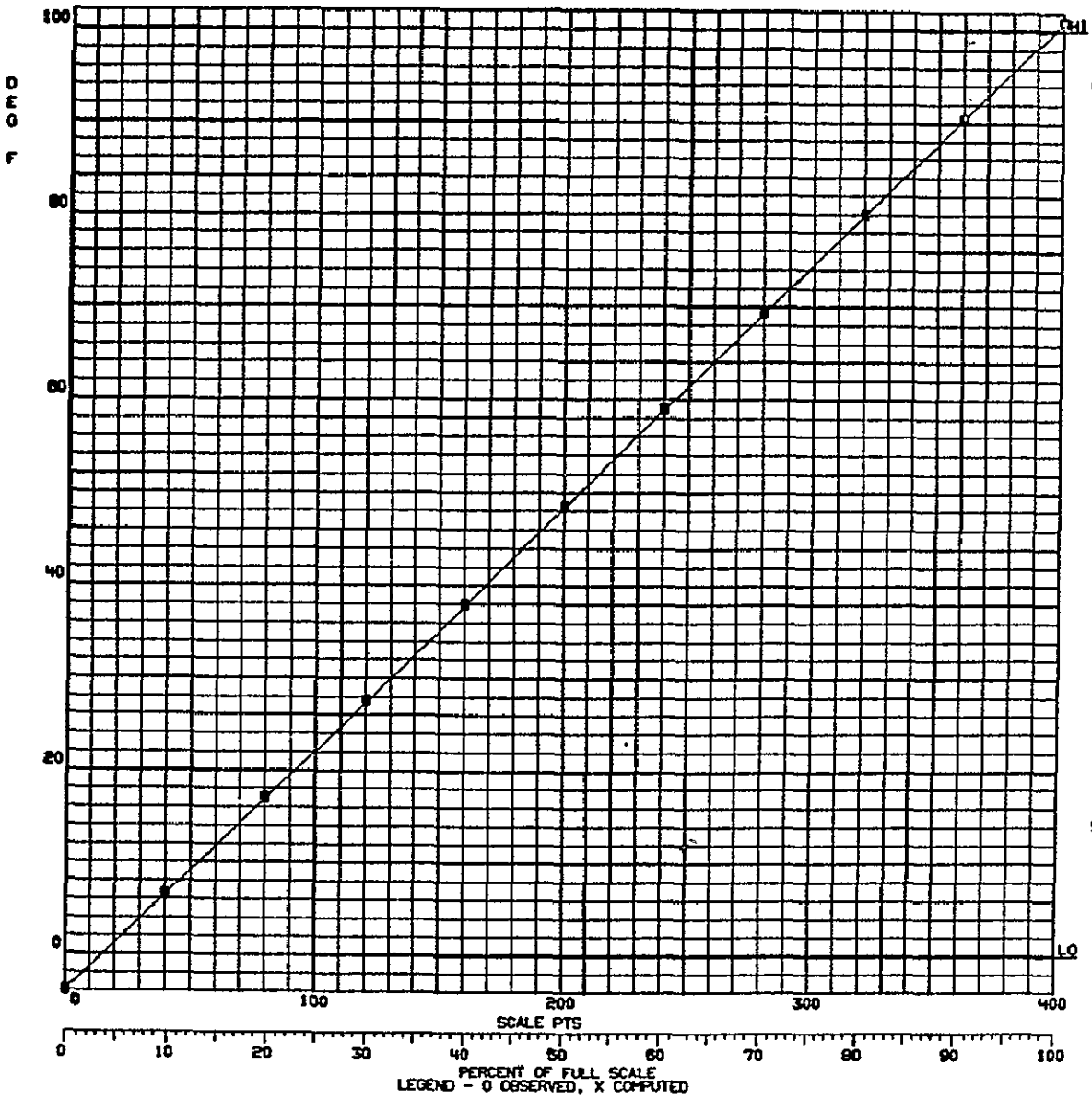
SC-113

DH59-77-2C
0000 0038

HE TEMP TANK B
INSTALLATION DATE JUL. 8,1971

HARDWARE CALIB. NO.	SERIAL NO.
76342- 1	10095H42339A
80494- 1	09760838114

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS
A_0=-3.887E 00
A_1= 2.620E-01

SIGMA=.00000
$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5014T- 2-0

LOADING NO.
M2P2

MINIMUM LOADING NO

06/29/71
1 . 0

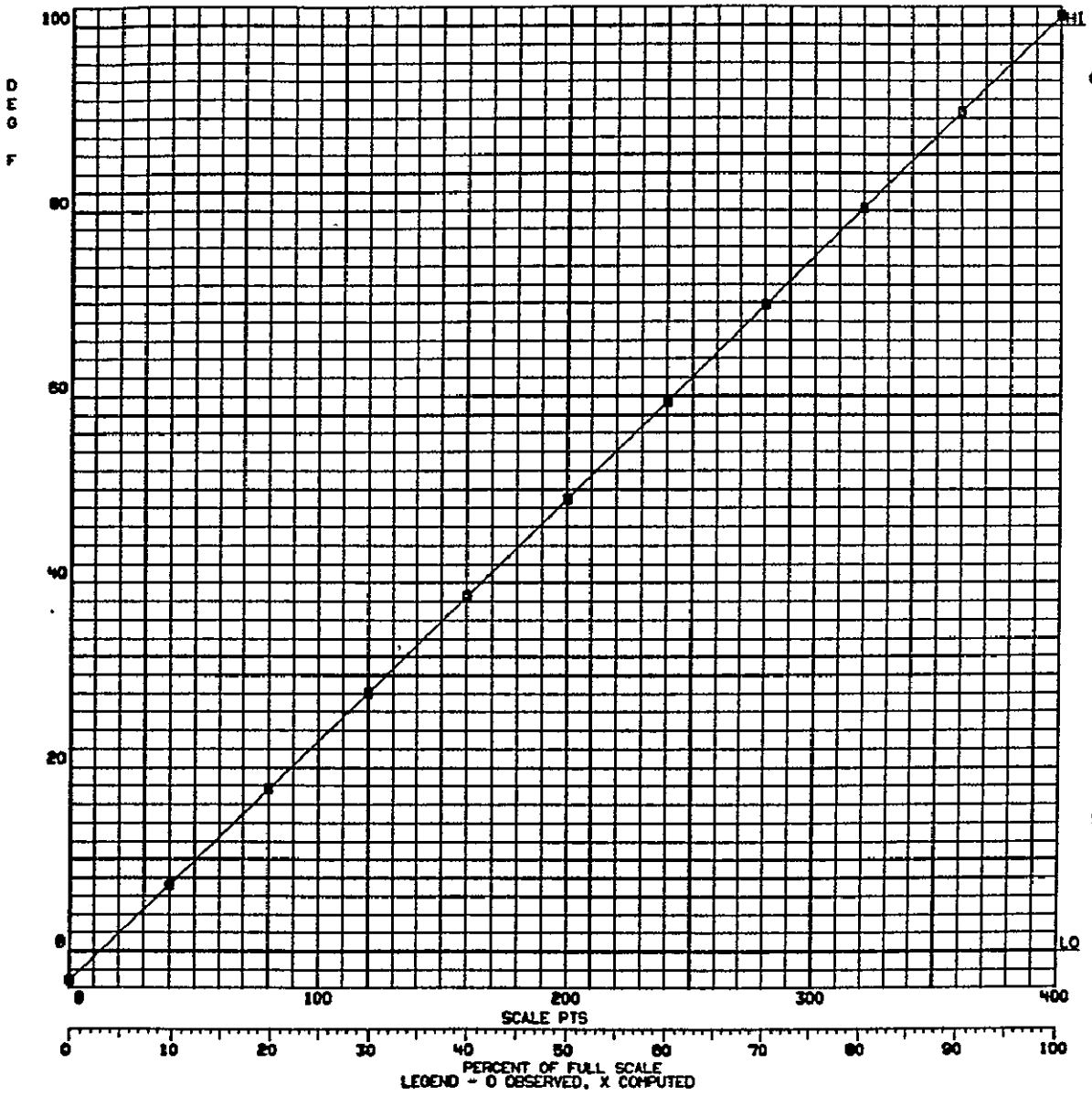
SC-113

0459-77-03
0000 0371

HE TEMP TANK C
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
78438- 1	1009542342A
80494- 1	097603838114

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-3.120E 00
A_1= 2.604E-01

SIGMA=.00000

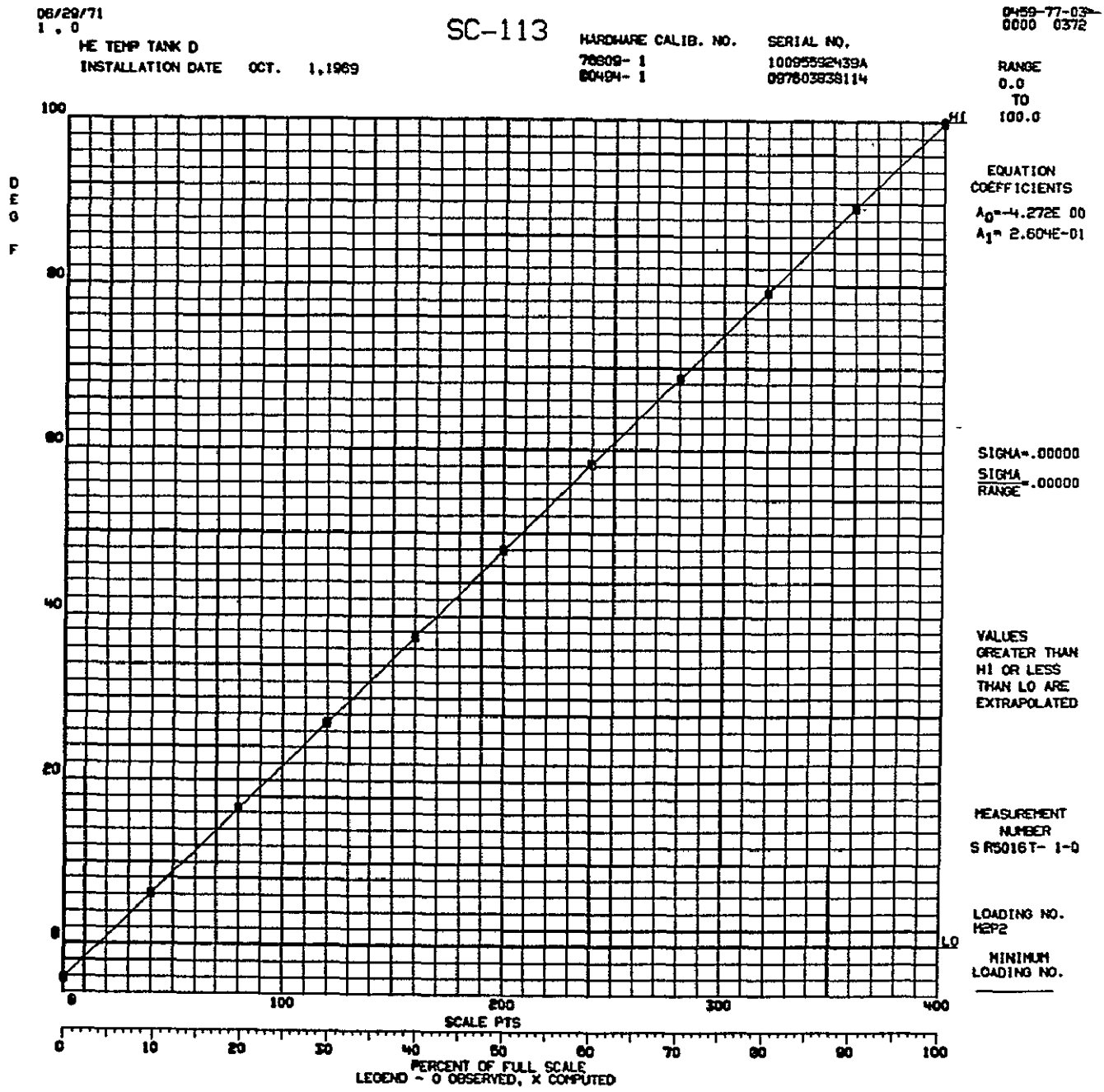
$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

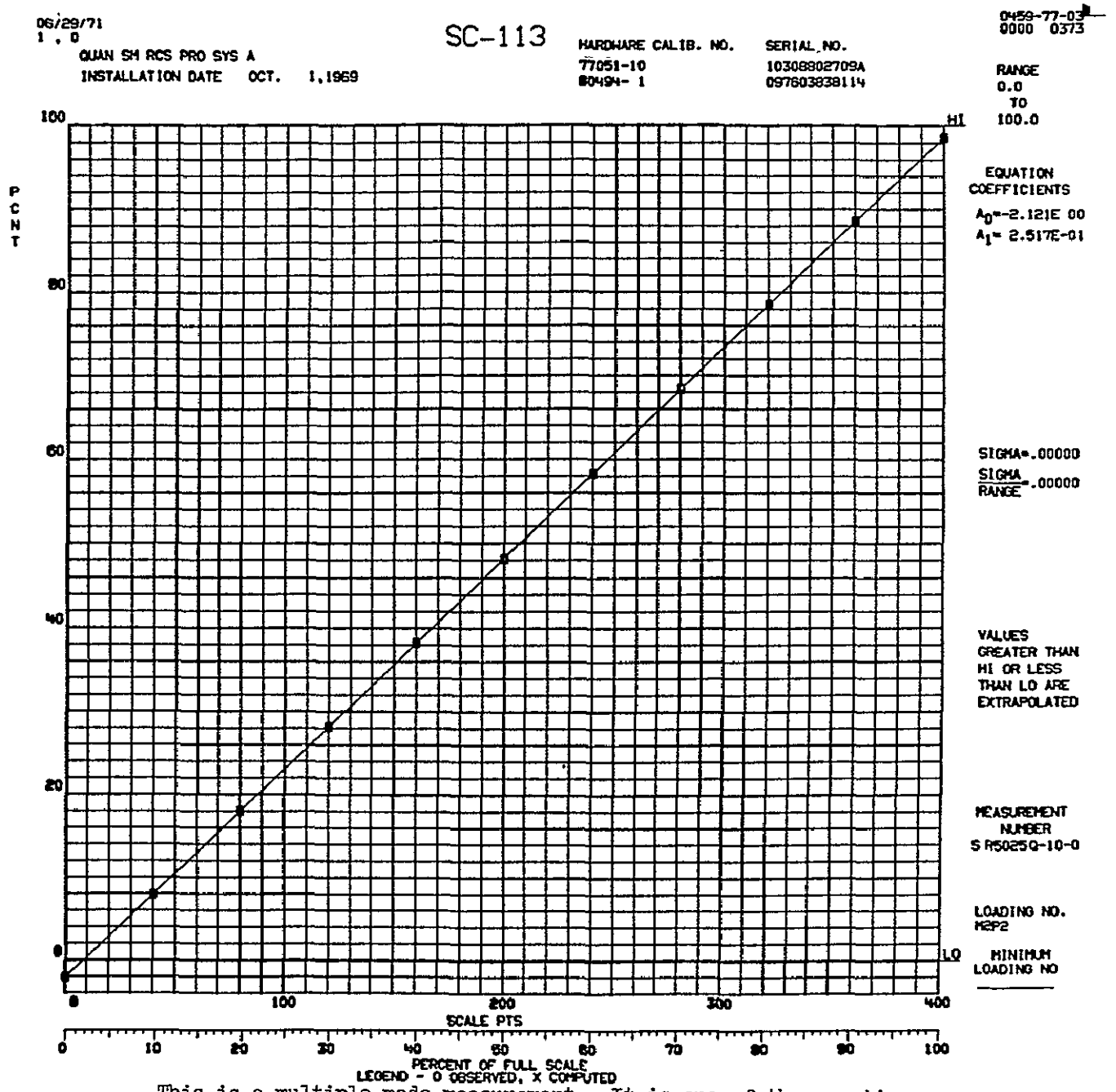
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5015T- 1-0

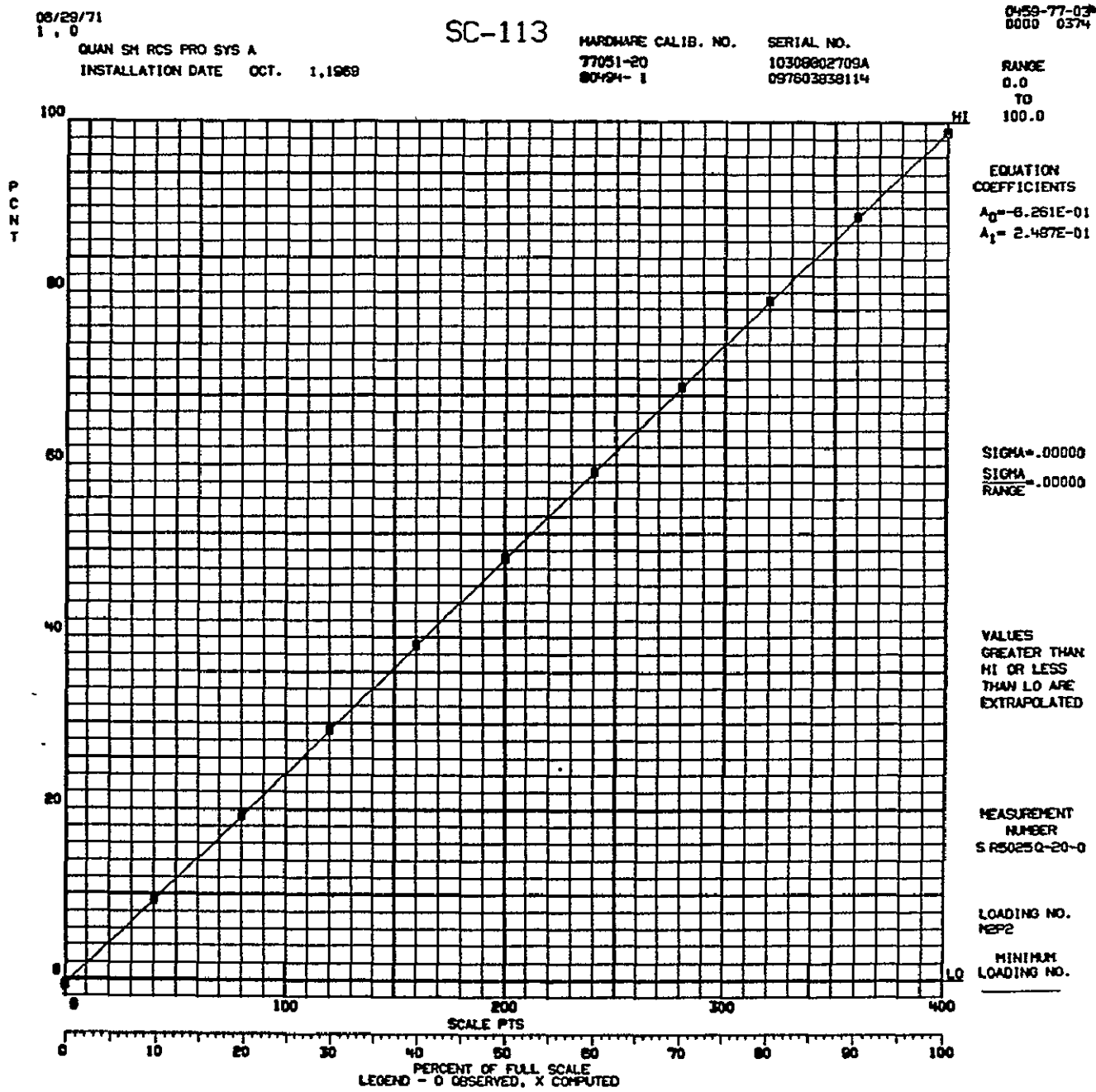
LOADING NO.
M2P2

MINIMUM LOADING NO.

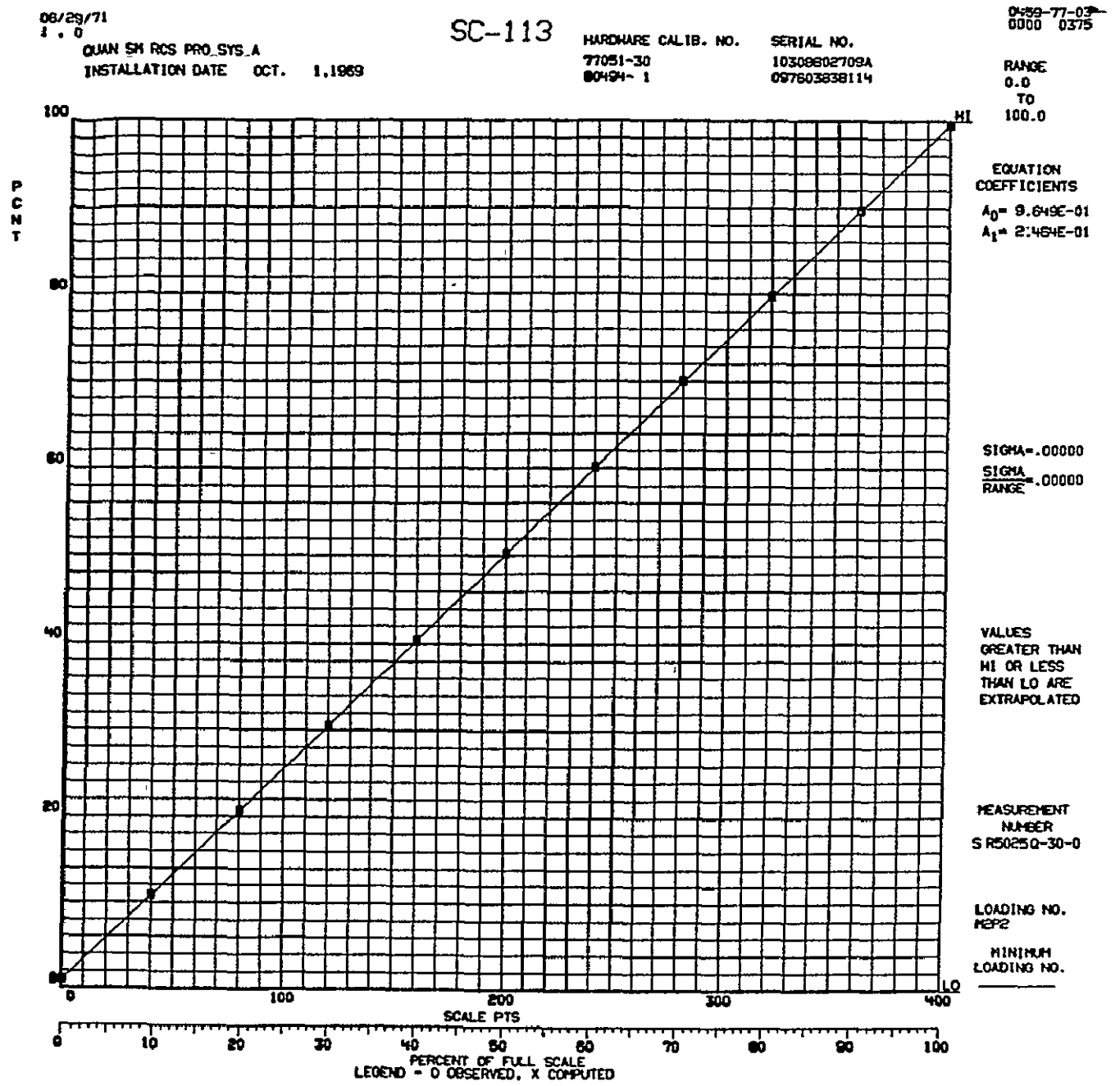

06/29/71
1 . 0
HE TEMP TANK D
INSTALLATION DATE OCT. 1,1969
SC-113
HARDWARE CALIB. NO.
76609- 1
80494- 1
SERIAL NO.
10095592439A
097603838114
0459-77-03
0000 0372
RANGE
0.0
TO
100.0
EQUATION
COEFFICIENTS
A_0=-4.272E 00
A_1= 2.604E-01
SIGMA=.00000
SIGMA/RANGE=.00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S R5016T- 1-0
LOADING NO.
HEP2
MINIMUM
LOADING NO.
DEG F
HI
LO
100
80
60
40
20
0
0
100
200
300
400
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED



This is a multiple mode measurement. It is one of three options. Dependent factor is 40°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-119)

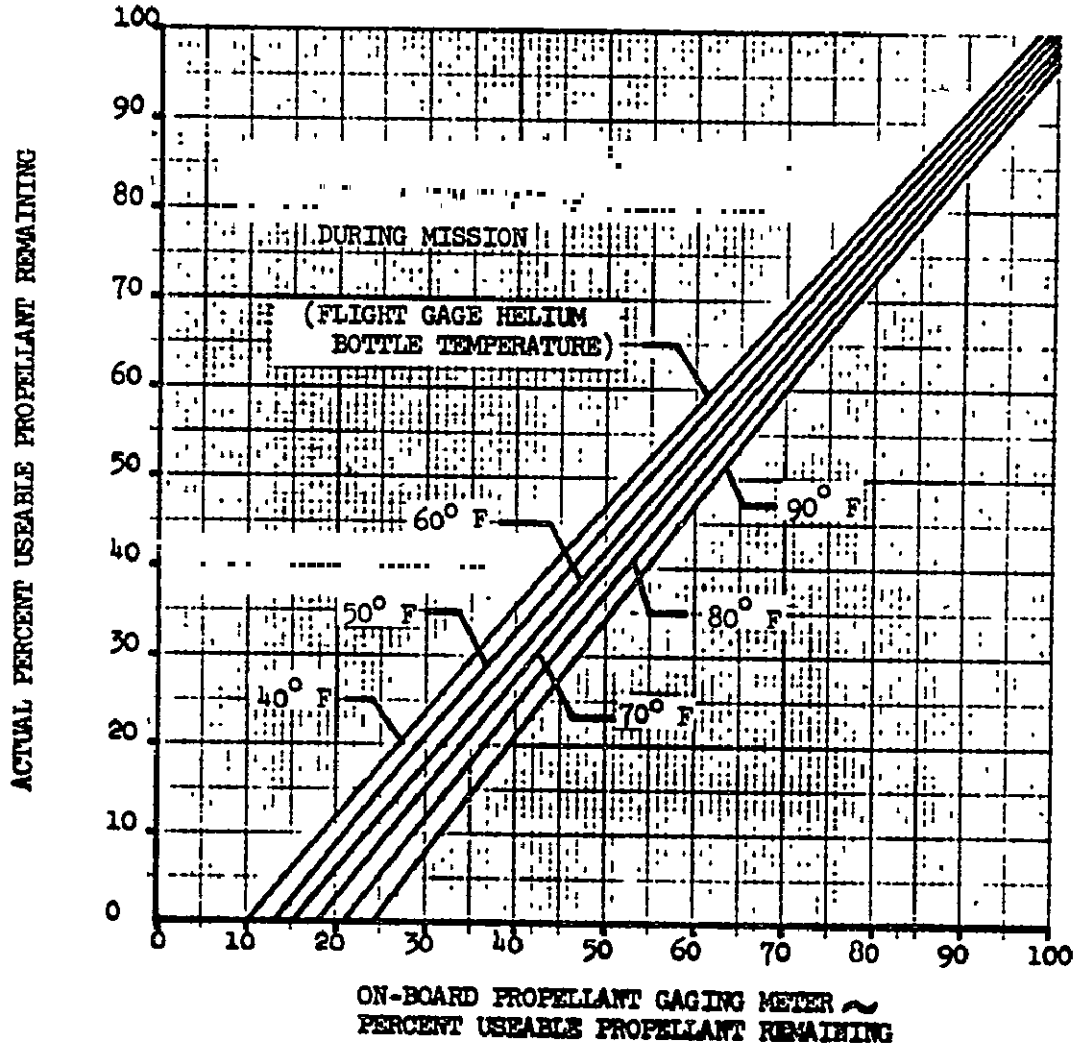


This is a multiple mode measurement. It is two of three options. Dependent factor is 70°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-119)

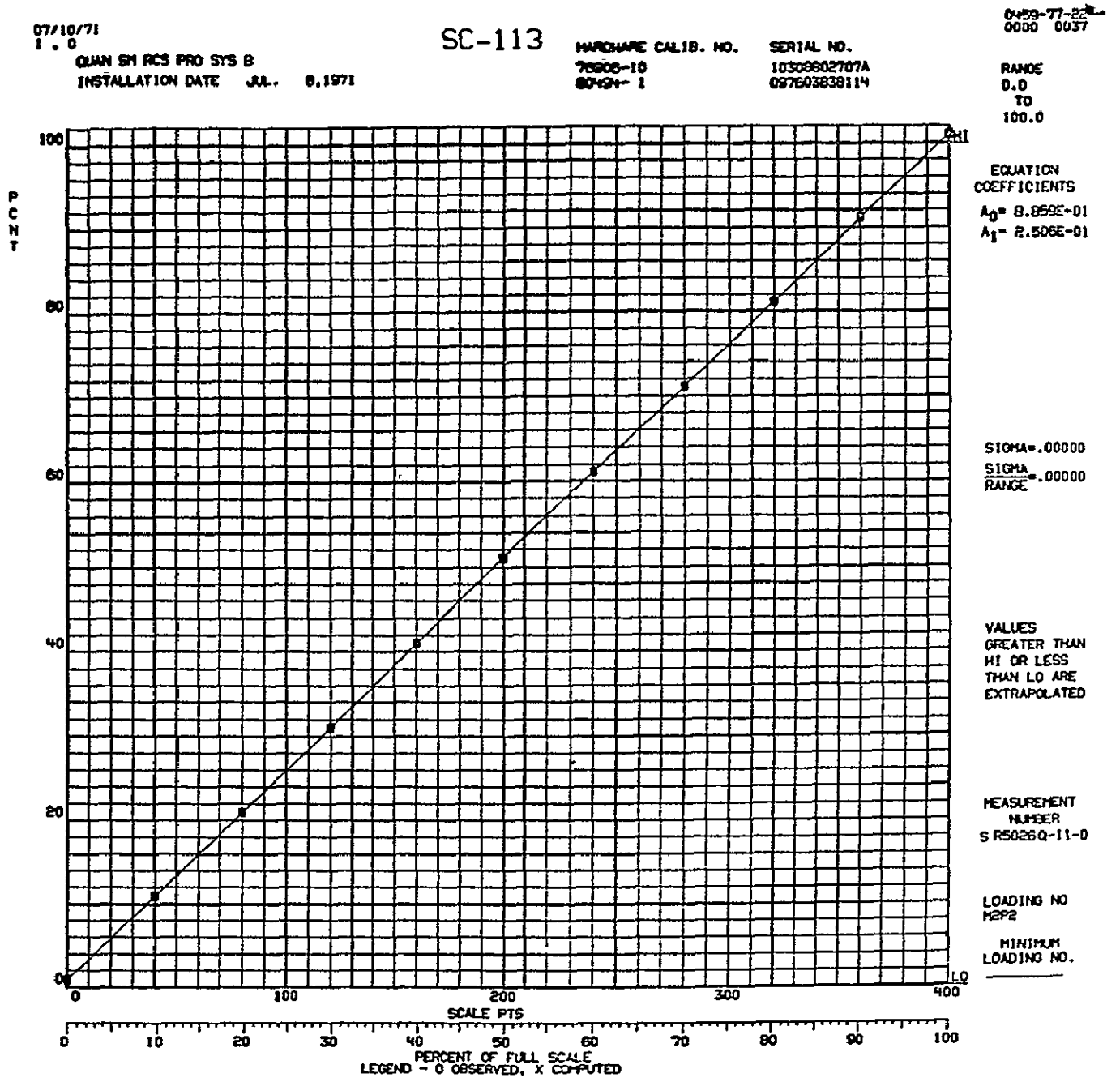


This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-119)

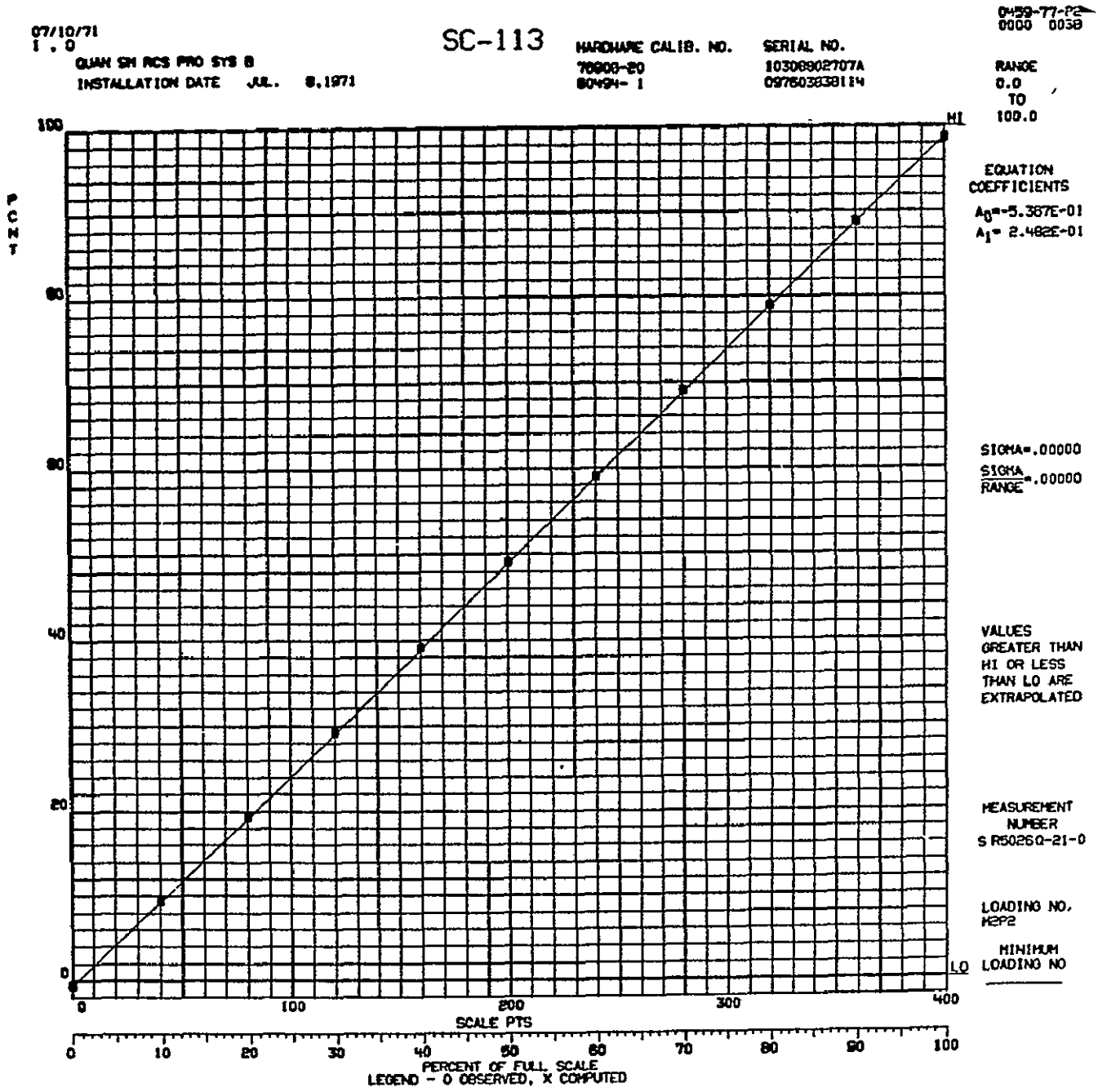
MINUS 2 σ SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



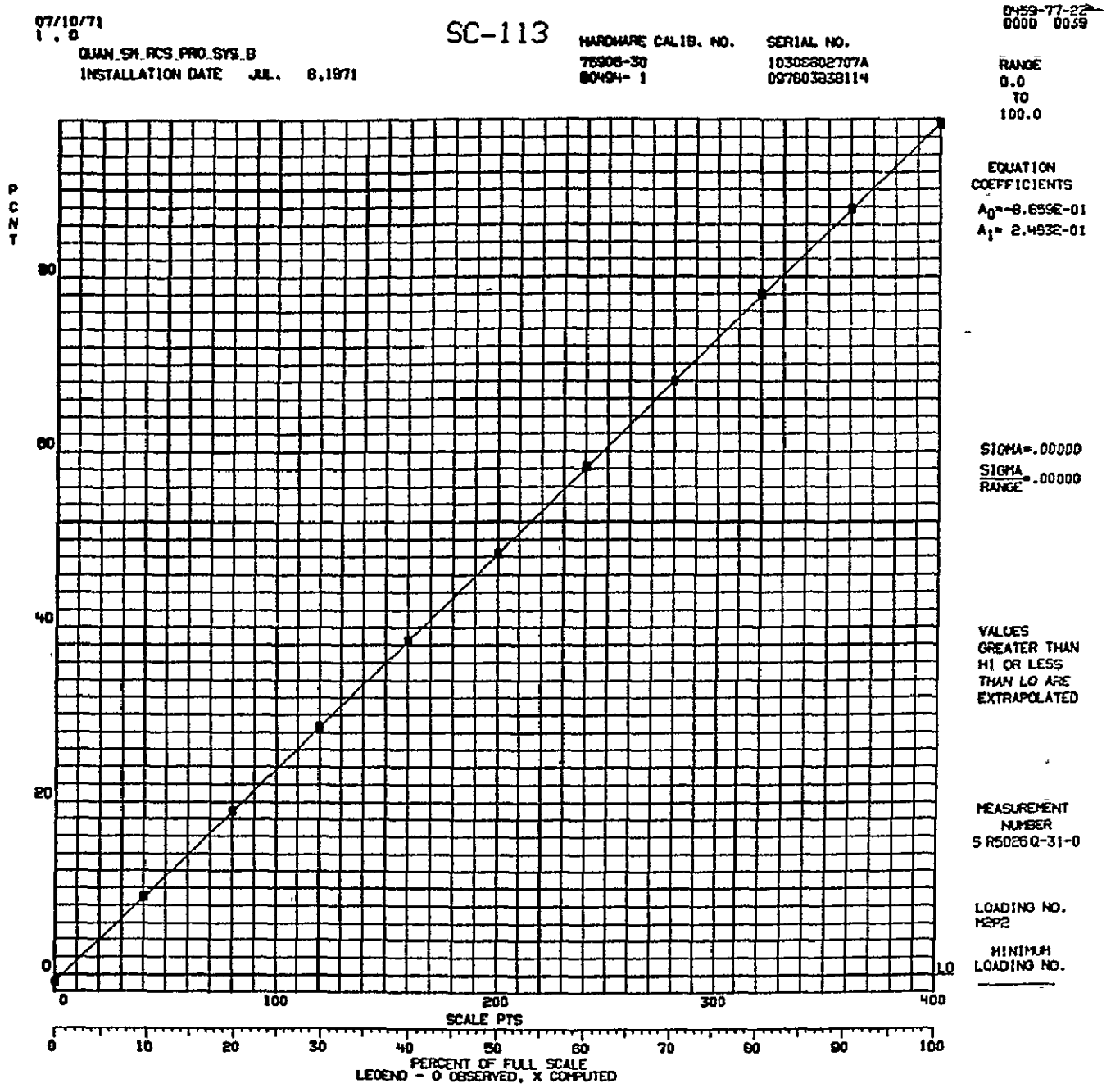
NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.



This is a multiple mode measurement. It is one of three options. Dependent factor is 40°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-123)

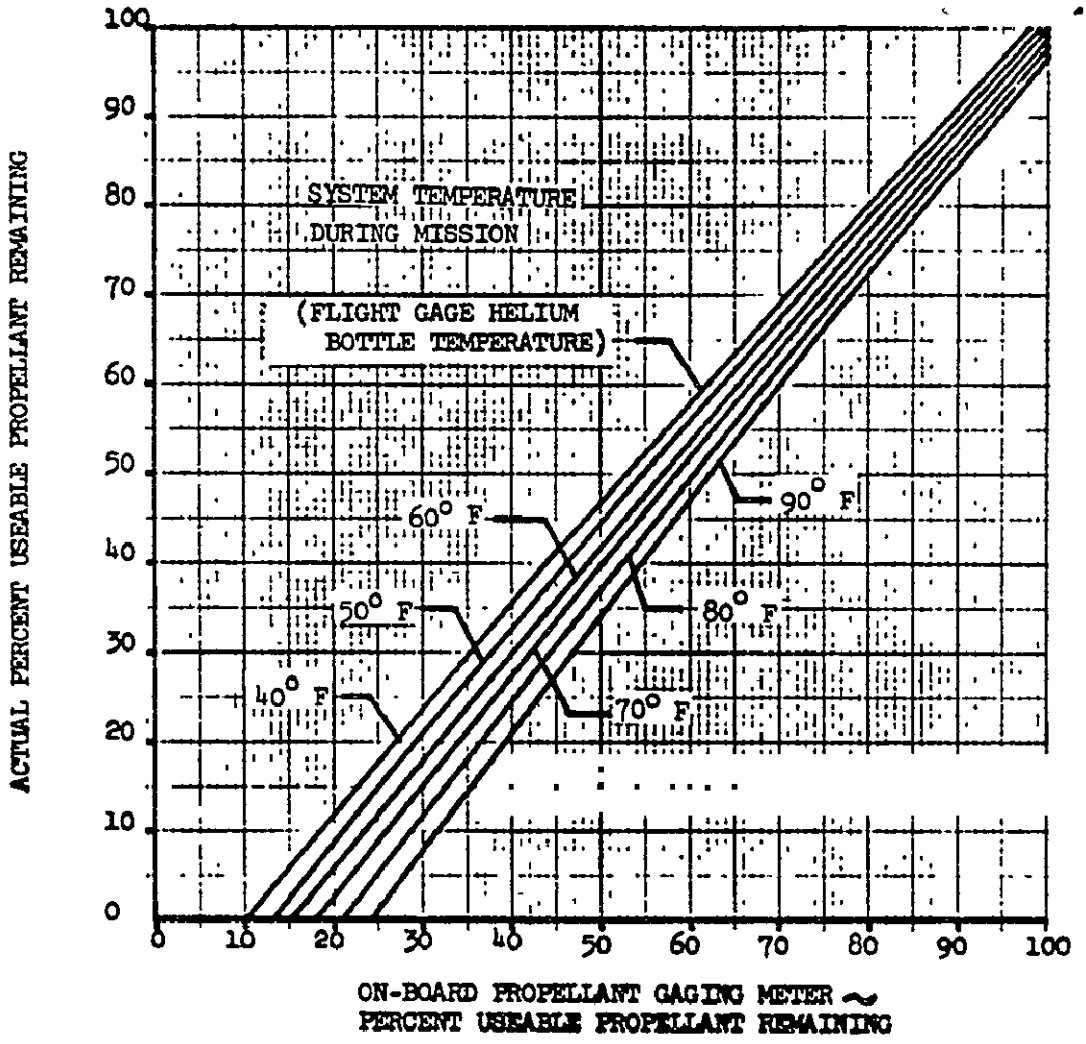


This is a multiple mode measurement. It is two of three options. Dependent factor is 70 F. Use propellent gaging meter correction nomograph for actual propellent remaining. (Page 7-123)

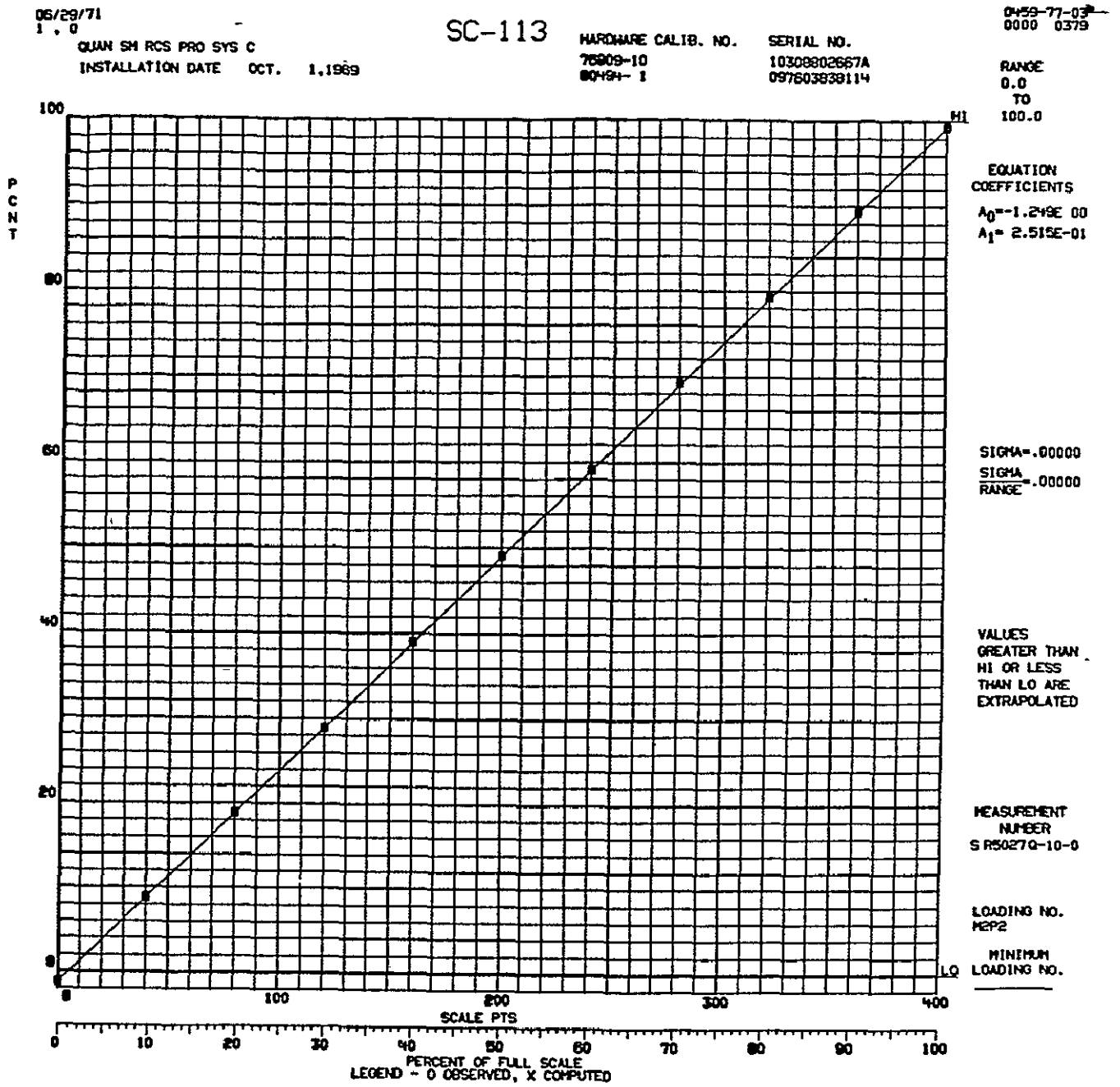


This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter corrention nomograph for actual useable propellent remaining. (Page 7-123).

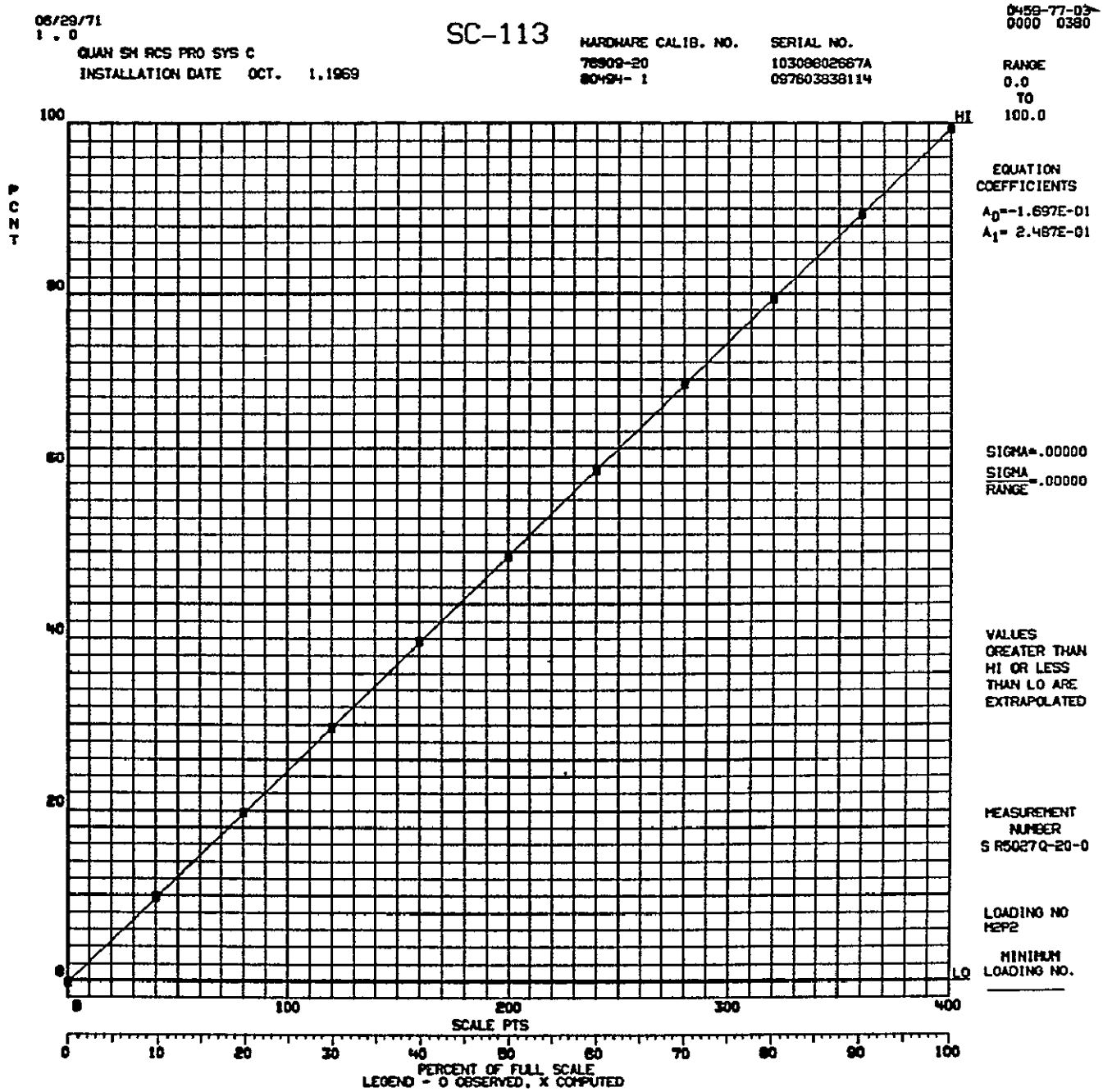
MINUS 2 SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



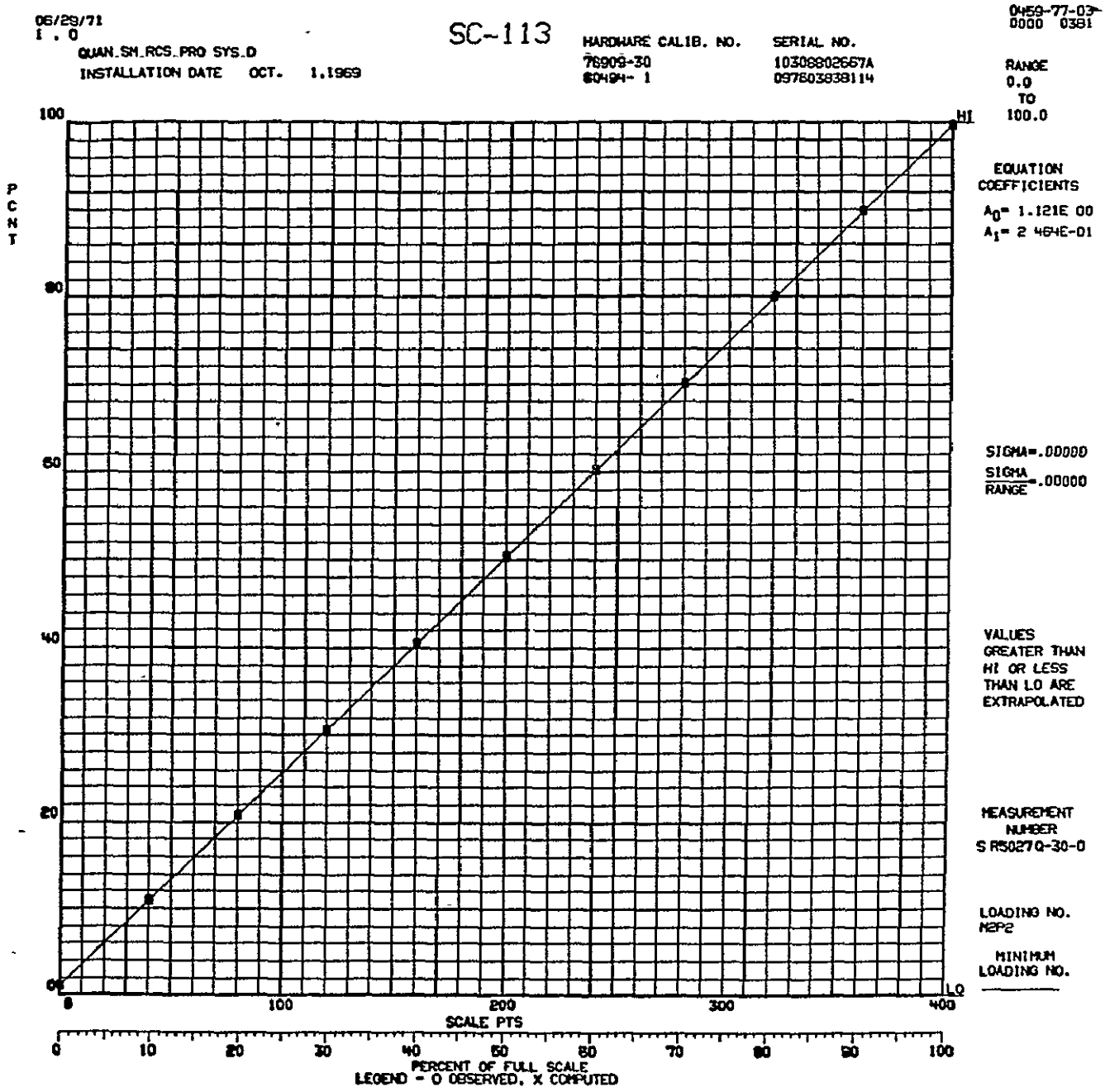
NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.



This is a multiple mode measurement. It is one of three options. Dependent factor is 40°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-127)

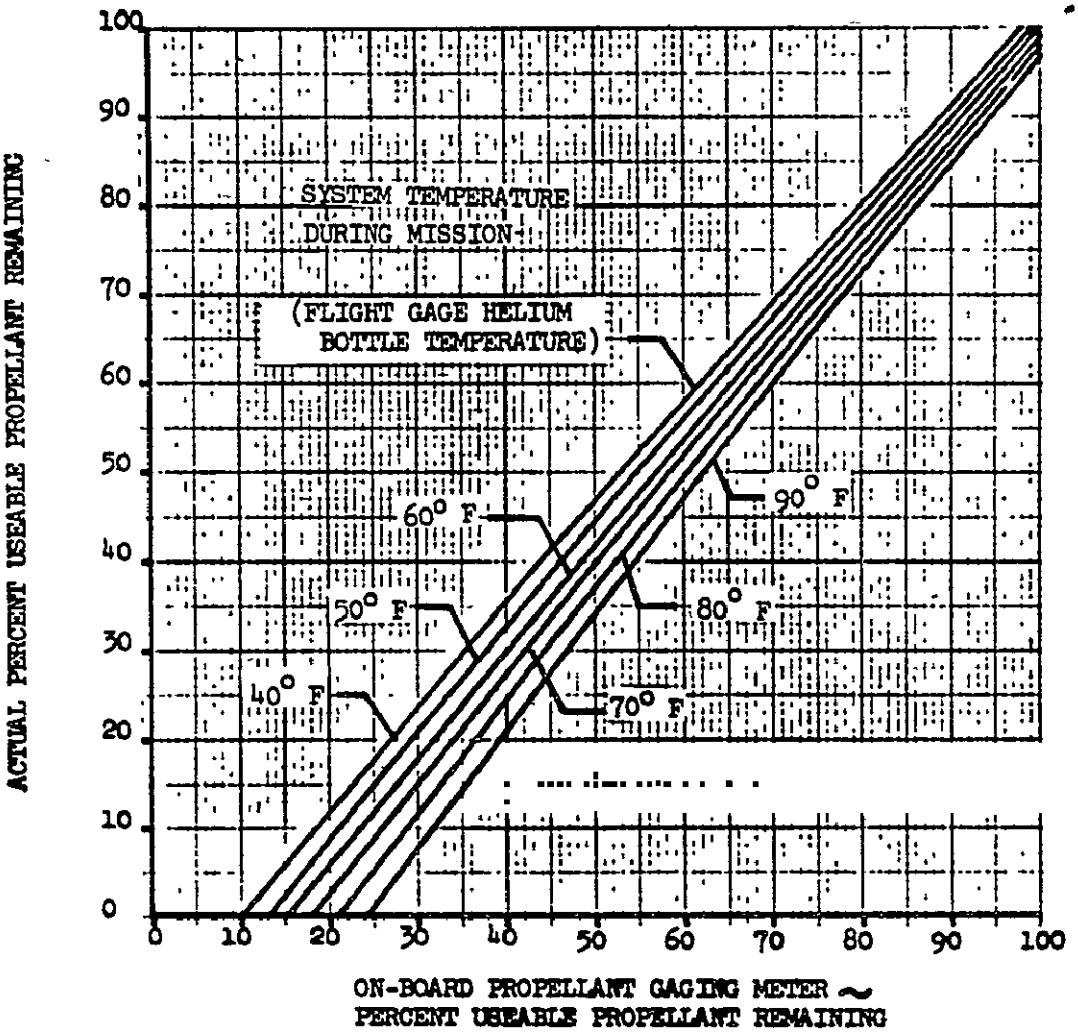


This is a multiple mode measurement. It is two of three options. Dependent factor is 70°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-127)

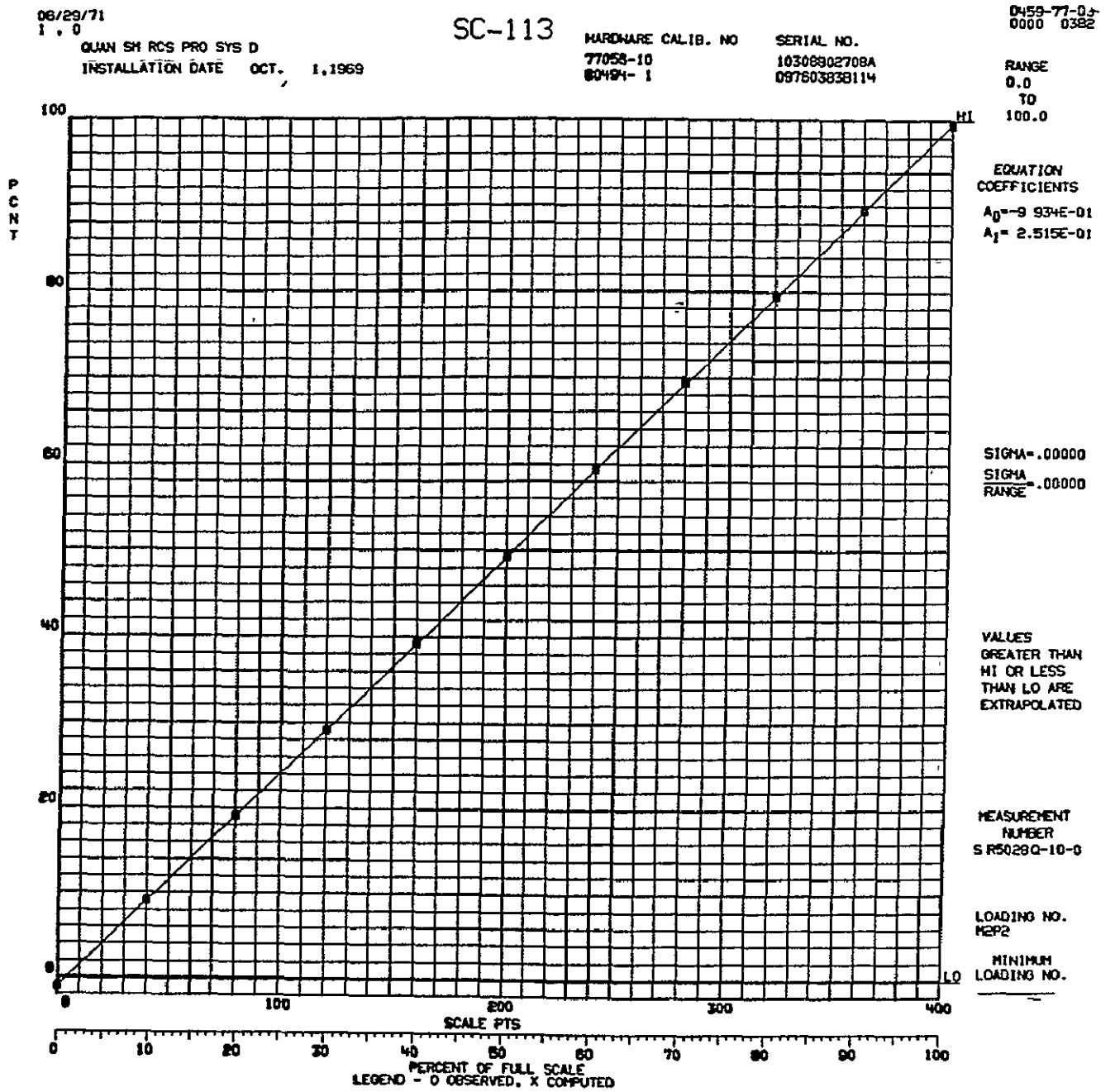


This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-127)

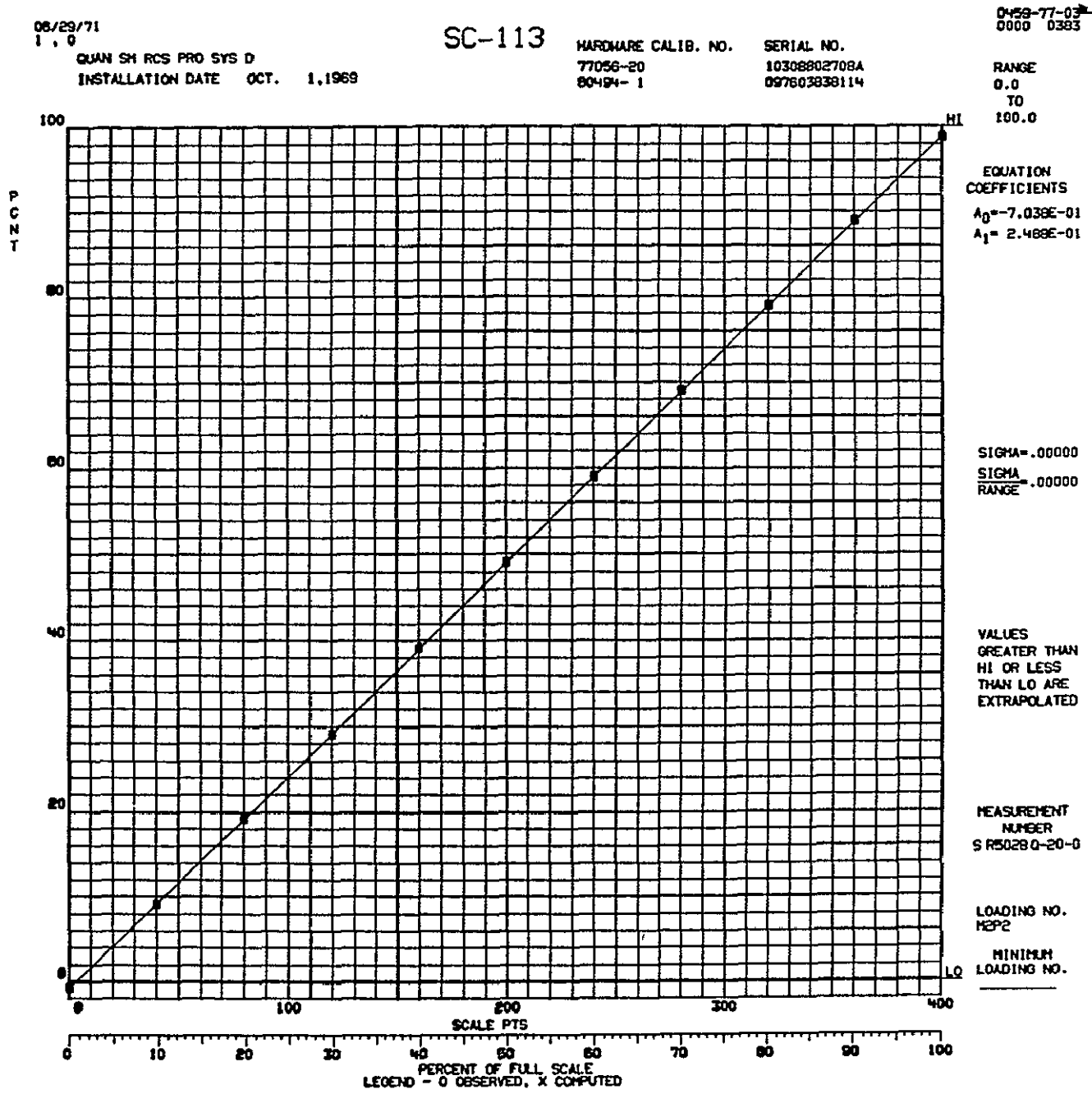
MINUS 2 σ SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



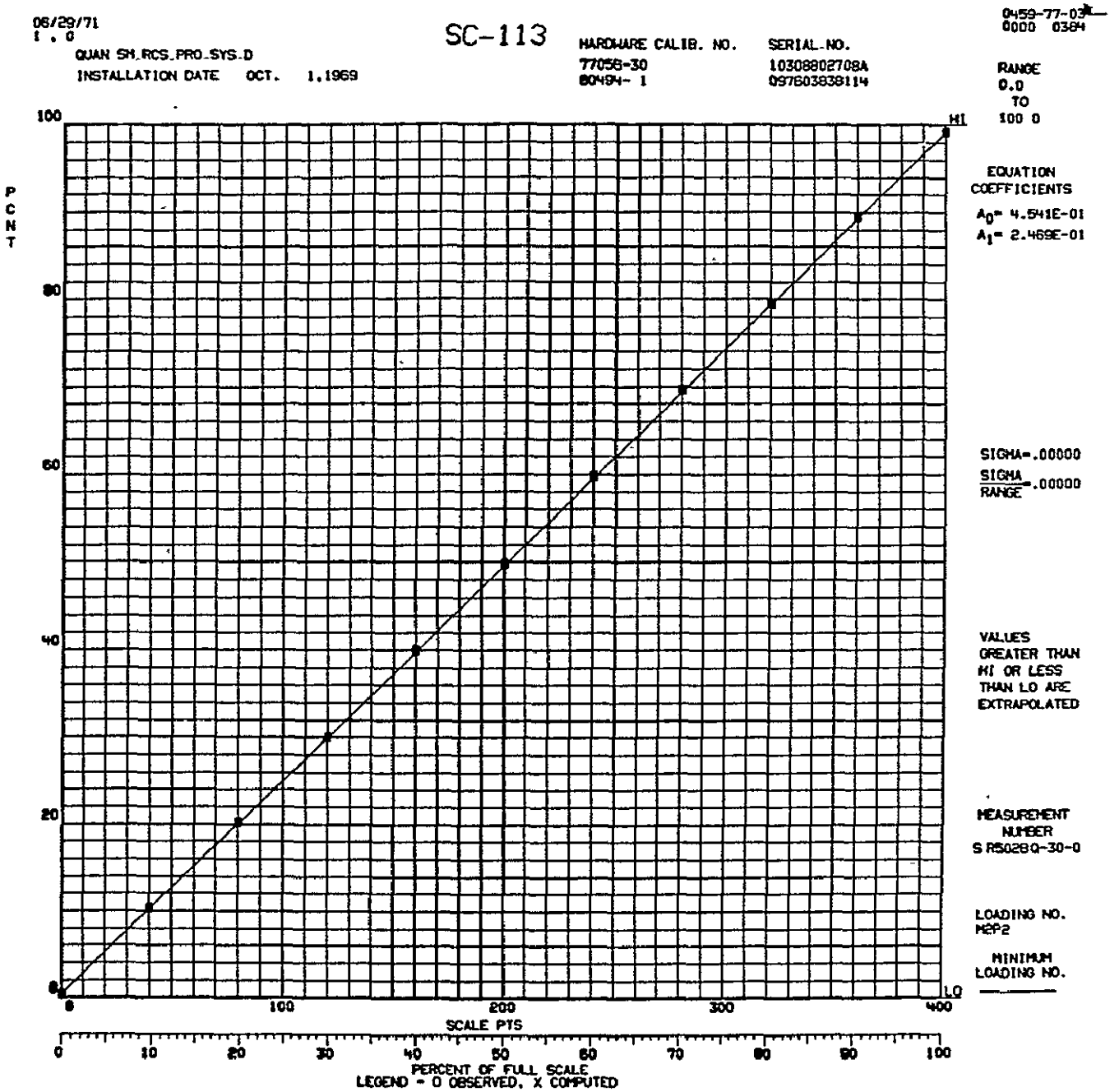
NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.



This is a multi mode measurement. It is one of three options. Dependent factor is 40°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-131)

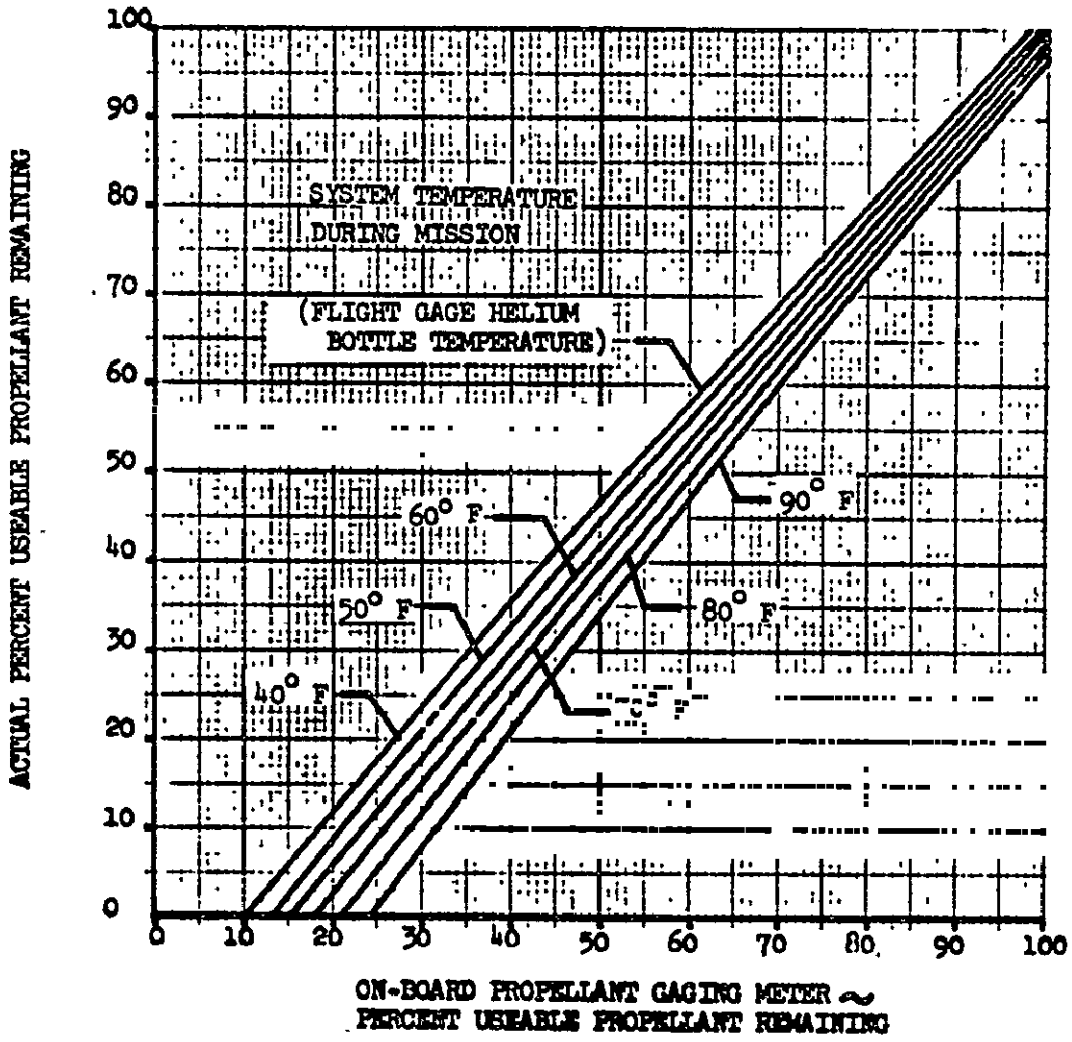


This is a multiple mode measurement. It is two of three options. Dependent factor is 70°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7- 131)



This is a multiple mode measurement. It is three of three options. Dependent factor is 100°F. Use propellent gaging meter correction nomograph for actual useable propellent remaining. (Page 7-131)

MINUS 2 σ SM RCS ON-BOARD
PROPELLANT GAGING METER
CORRECTION NOMOGRAPH



NOTE: 100 PERCENT USEABLE
PROPELLANT=299LBS.

06/29/71
1.0

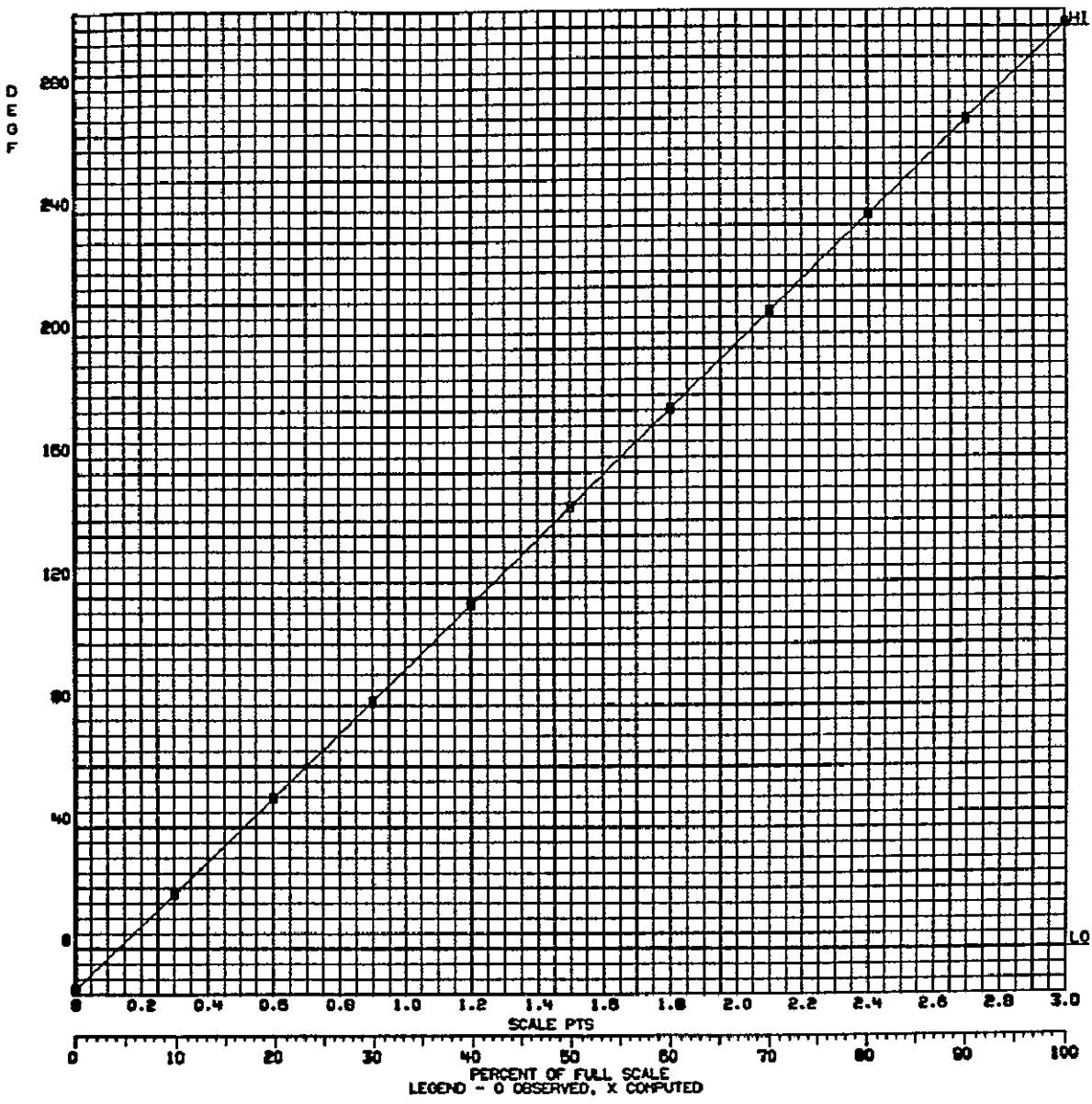
SC-113

0459-77-03
0000 0395

TEMP ENGINE PACKAGE A
INSTALLATION DATE OCT. 1,1969

HARDWARE CALIB. NO.	SERIAL NO.
76733- 1	103086125994
80654- 1	097603817113

RANGE
0.0
TO
300.0



EQUATION COEFFICIENTS

A_0=-1.311E 01
A_1= 1.047E 02

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5065T- 1-0

LOADING NO.
M1P2

MINIMUM LOADING NO.

07/10/71
1.0

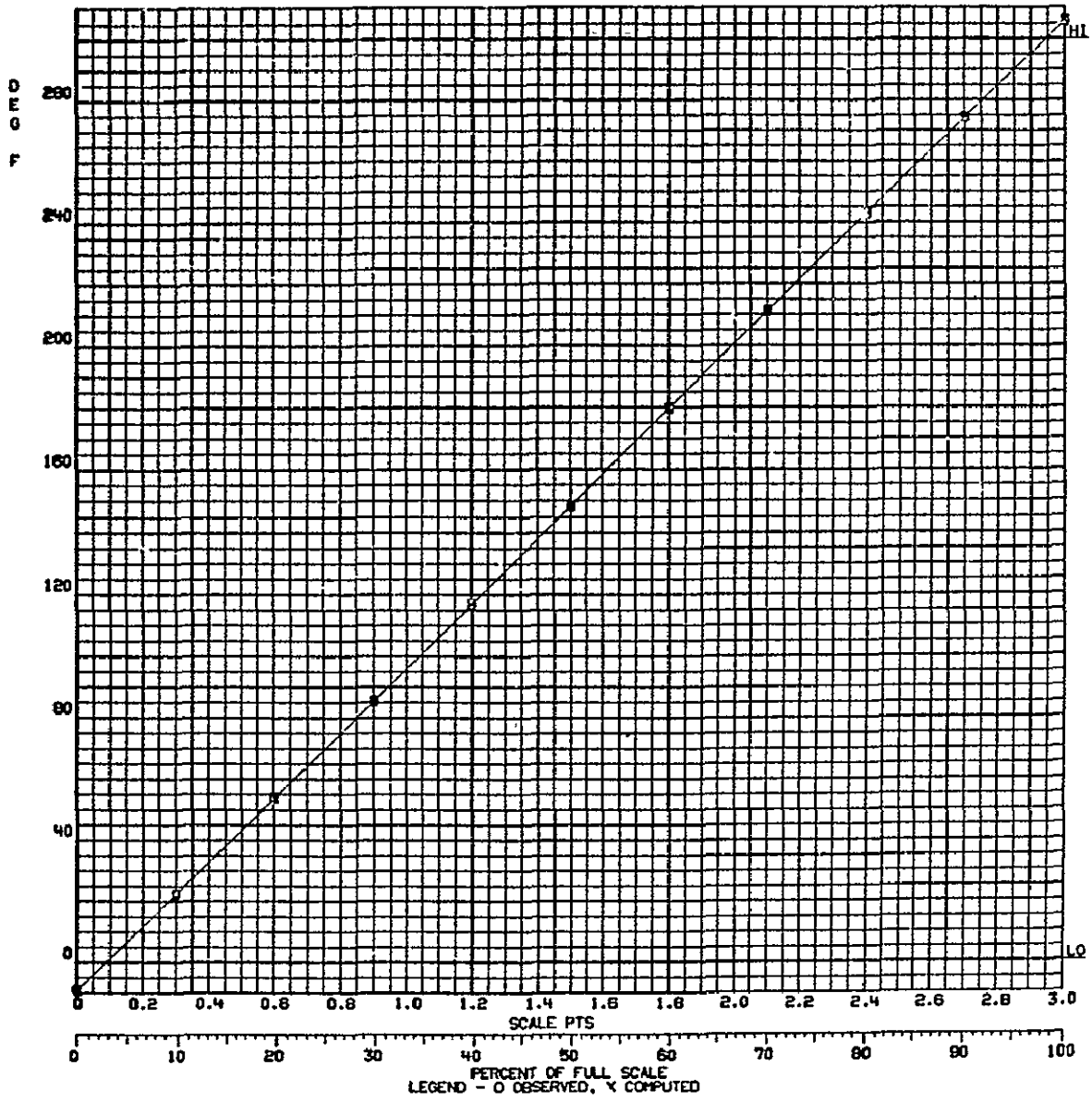
TEMP ENGINE PACKAGE B
INSTALLATION DATE JUL. 8,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
753M- 2	10095M2298A
80634- 1	097603817113

0459-77-22-
0000 0040

RANGE
0.0
TO
300.0



EQUATION COEFFICIENTS
A_0=-9.195E 00
A_1= 1.049E 02

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
SR5068T- 2-0

LOADING NO.
M1P2

MINIMUM LOADING NO.

06/29/71
5 , 0

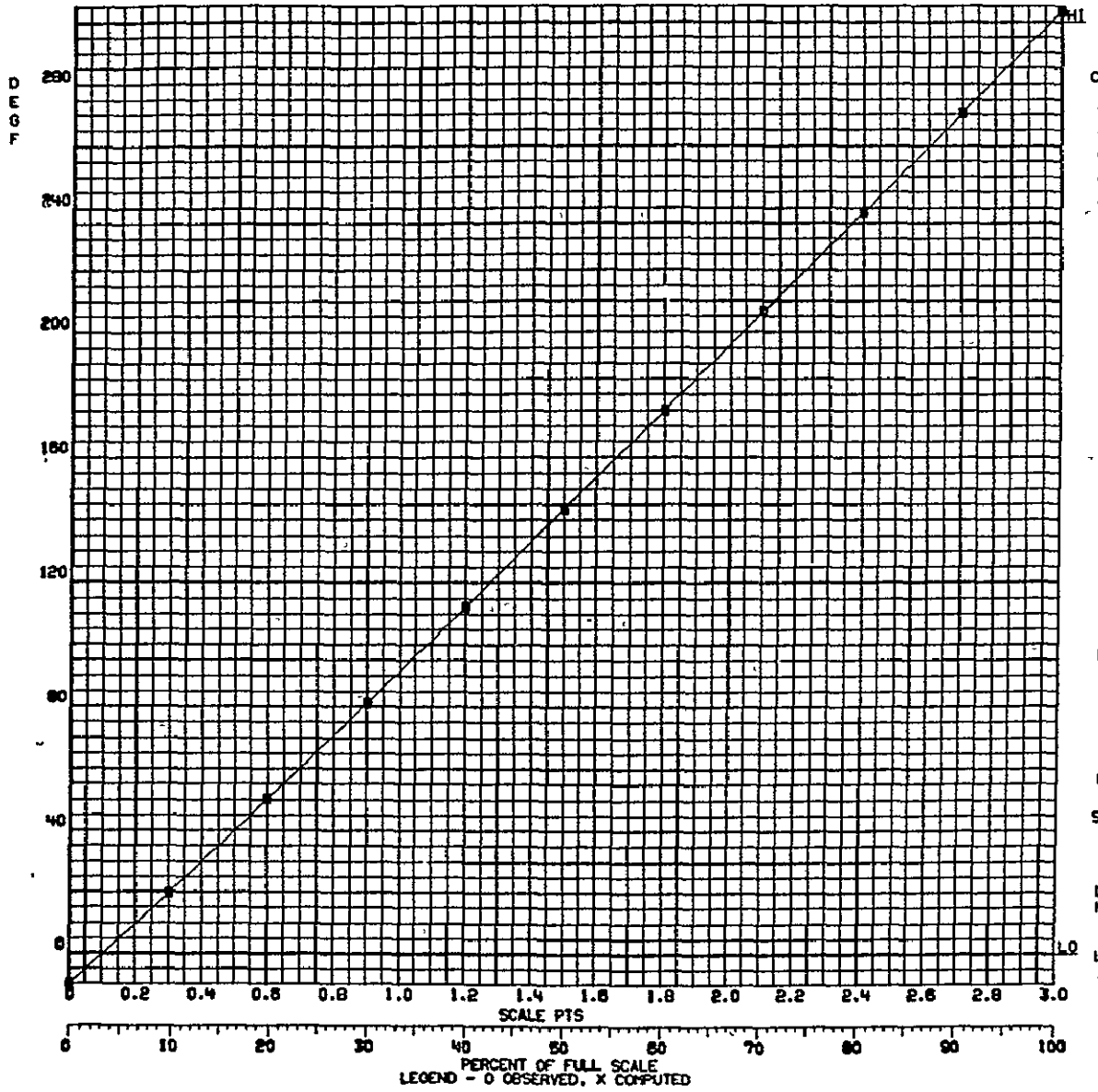
TEMP ENGINE PACKAGE C
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB NO	SERIAL NO.
76734- 1	10308612600A
80654- 1	097603817113

0459-77-03
0000 0387

RANGE
0.0,
TO
300.0



EQUATION COEFFICIENTS

A_0=-9.953E 00
A_1= 9.719E 01
A_2= 6.305E 00
A_3=-2.520E 00
A_4= 4.072E-01

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5067T- 1-0

LOADING NO.
H1P2

MINIMUM LOADING NO

06/29/71
5 . 0

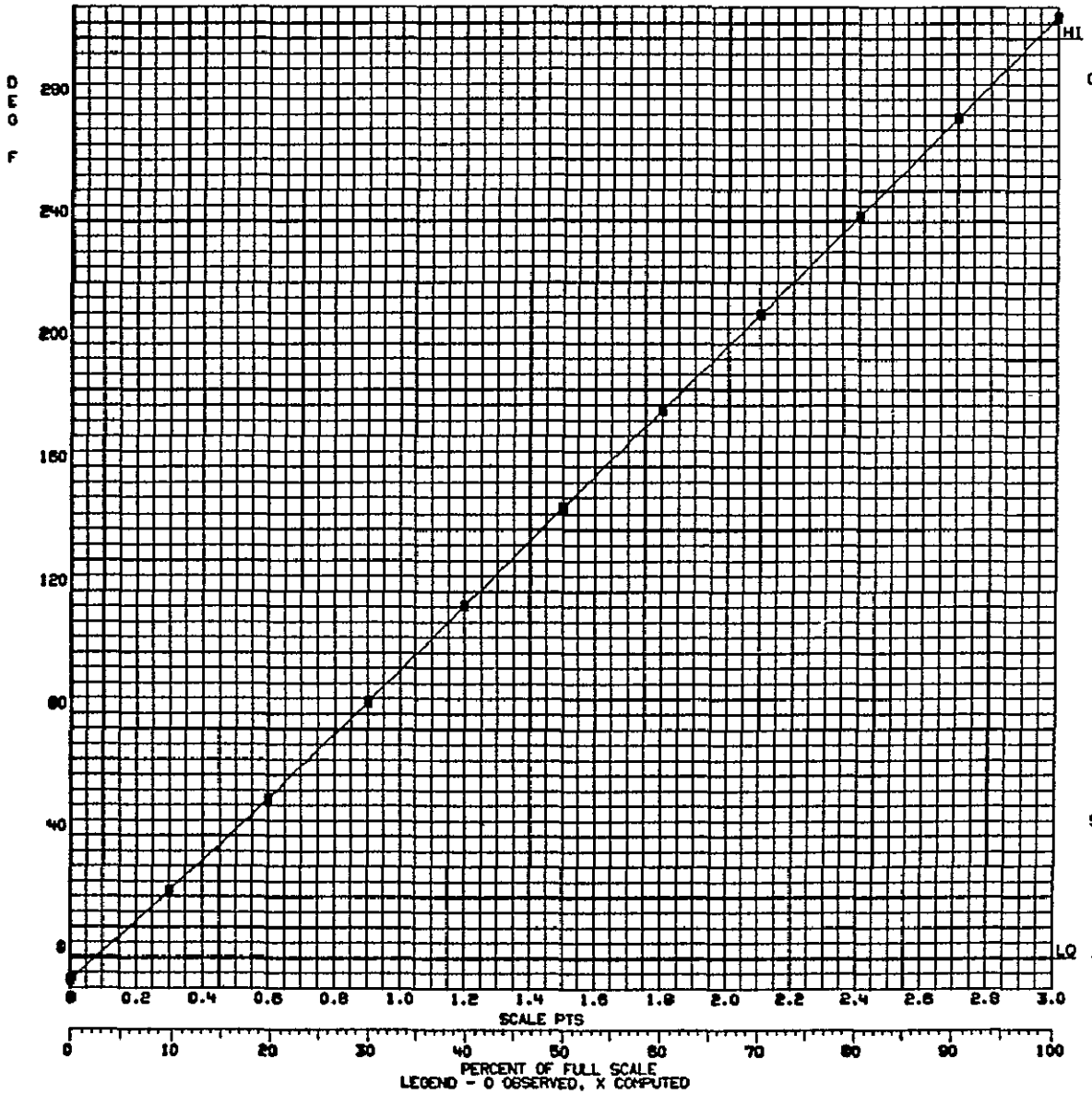
TEMP ENGINE PACKAGE D
INSTALLATION DATE OCT. 1.1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76852- 1	10095411575H
80654- 1	097603817113

0459-77-03
0000 0398

RANGE
0.0
TO
300.0



EQUATION COEFFICIENTS

A_0=-7.107E 00
A_1= 9.413E 01
A_2= 1.140E 01
A_3=-5.060E 00
A_4= 8 090E-01

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

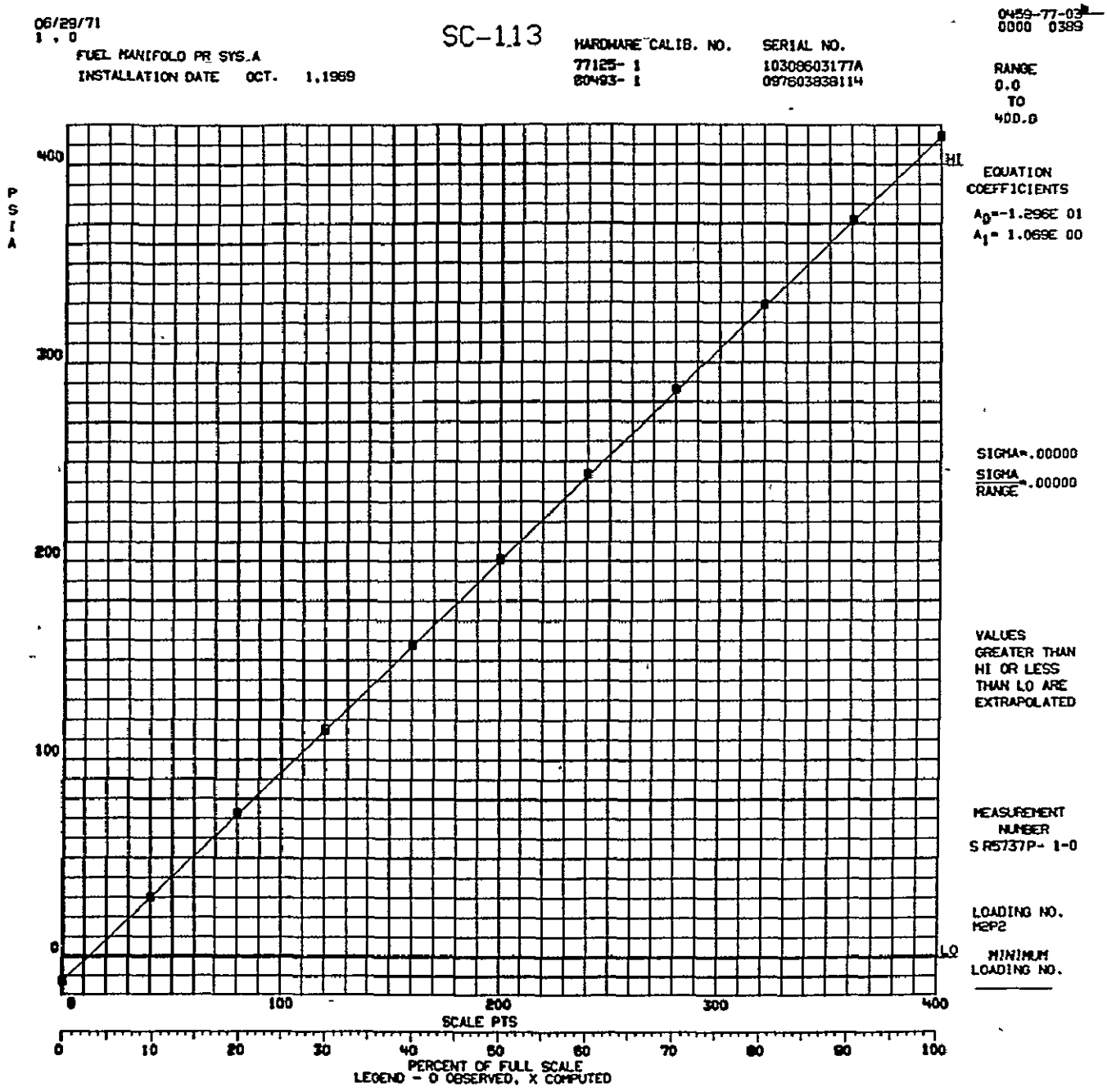
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5068T- 1-0

LOADING NO.
M1P2

MINIMUM LOADING NO

14-19


06/29/71
1 , 0
FUEL MANIFOLD PR SYS_A
INSTALLATION DATE OCT. 1,1969
SC-113
HARDWARE CALIB. NO.
77125- 1
80493- 1
SERIAL NO.
10308603177A
097603838114
0459-77-03
0000 0389
RANGE
0.0
TO
400.0
EQUATION
COEFFICIENTS
A0=-1.296E 01
A1= 1.069E 00
SIGMA=.00000
SIGMA/RANGE=.00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S R5737P- 1-0
LOADING NO.
M2P2
MINIMUM
LOADING NO.
PSIA
400
300
200
100
0
HI
LO
0
100
200
300
400
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

07/10/71
1 , 0

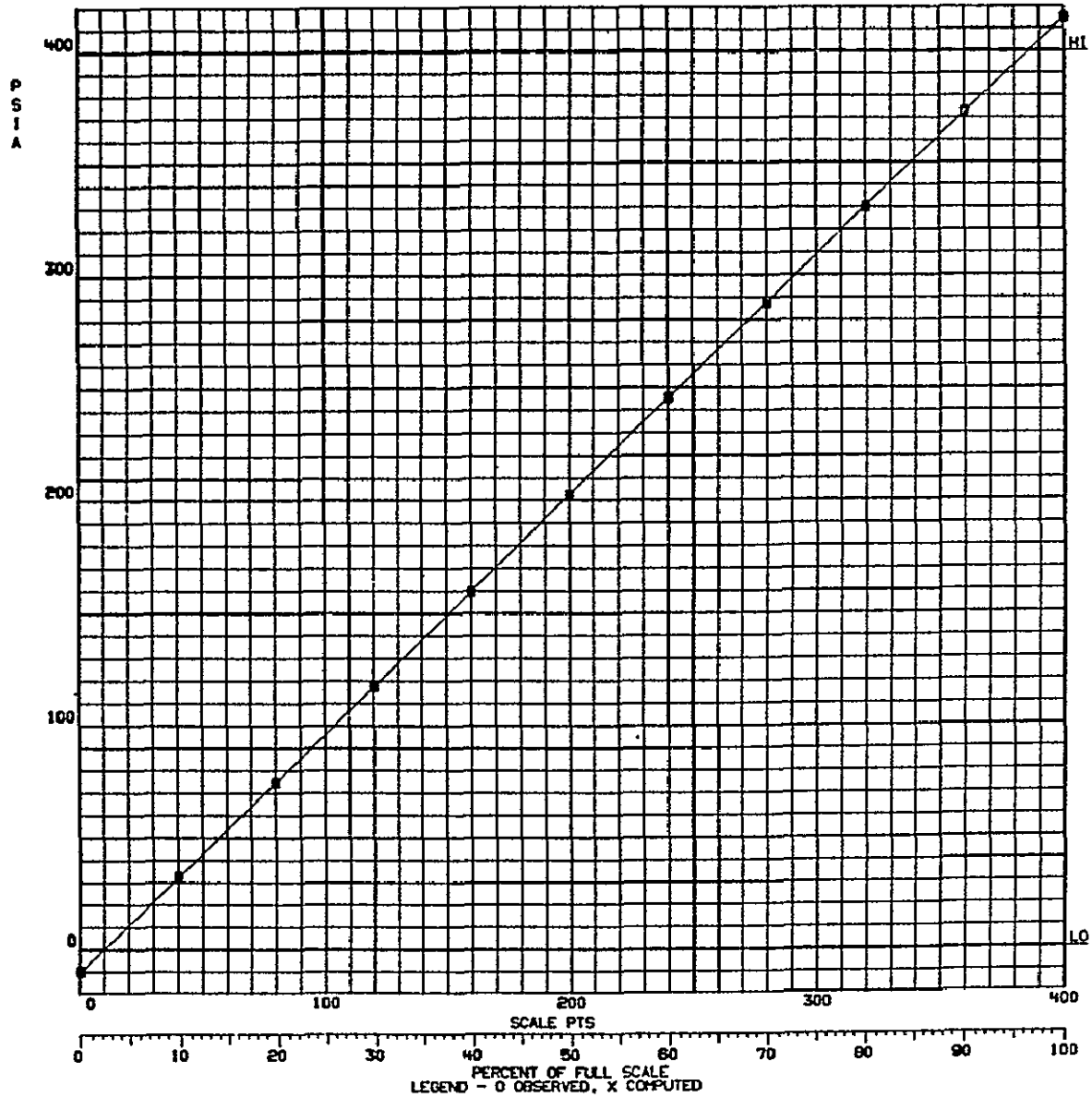
SC-113

0459-77-22
0000 0041

FUEL MANIFOLD PR SYS B
INSTALLATION DATE JUL. 8,1971

HARDWARE CALIB. NO.	SERIAL NO.
77048- 1	10308803209A
80493- 1	097803838114

RANGE
0.0
TO
400.0



EQUATION COEFFICIENTS
A_0=-1.023E 01
A_1= 1.063E 00

SIGMA=.00000
$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5784P- 2-0

LOADING NO.
M2P2

MINIMUM LOADING NO

06/29/71
1.0

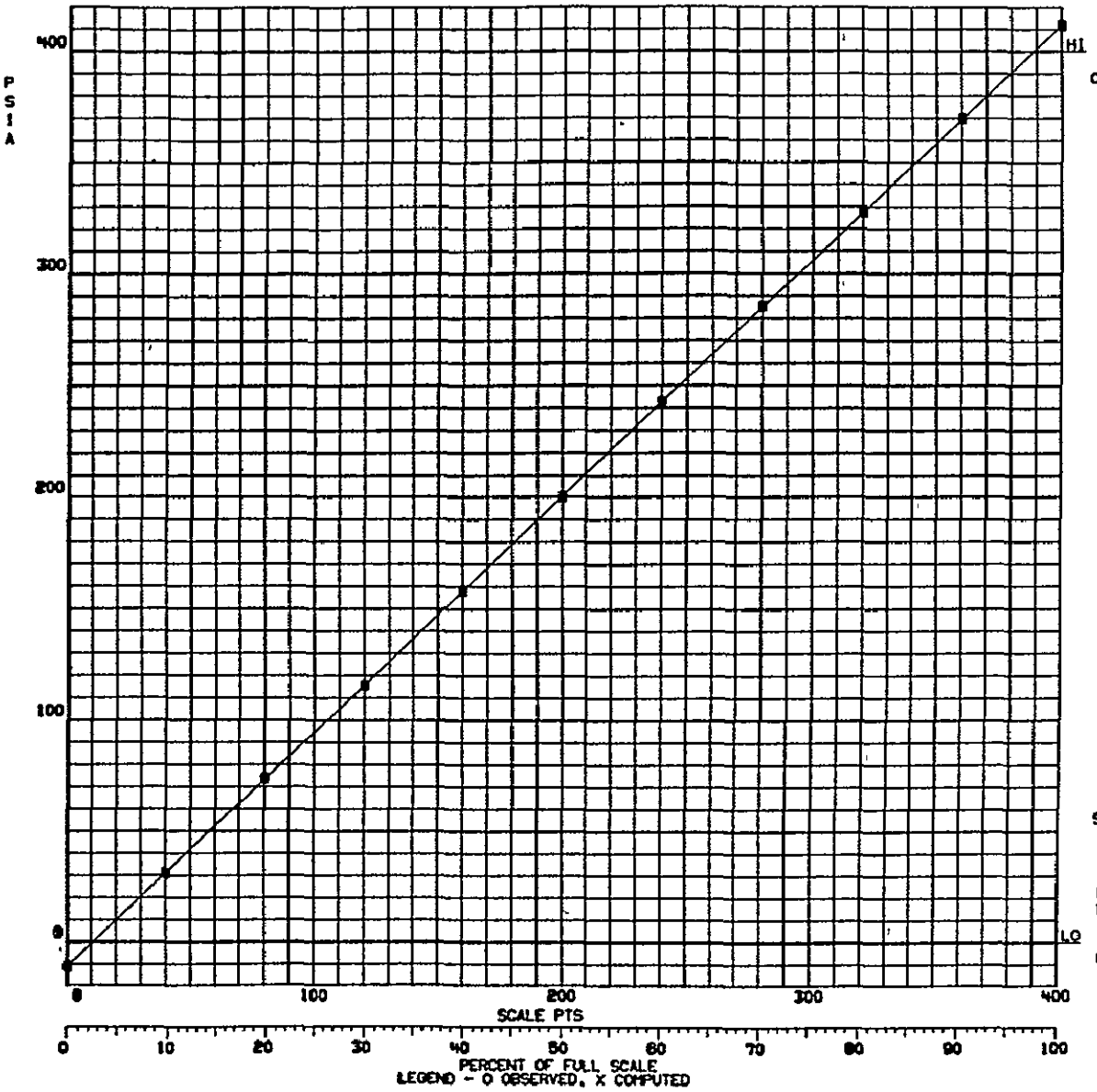
FUEL MANIFOLD PR SYS C
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO. SERIAL NO.
77124- 1 10309603186A
80493- 1 097603939114

0459-77-03
0000 0391

RANGE
0.0
TO
400.0



EQUATION COEFFICIENTS

A_0=-1.125E 01
A_1= 1.058E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5822P- 1-0

LOADING NO.
M2P2

MINIMUM LOADING NO.

06/29/71
I . 0

FUEL MANIFOLD PR SYS D

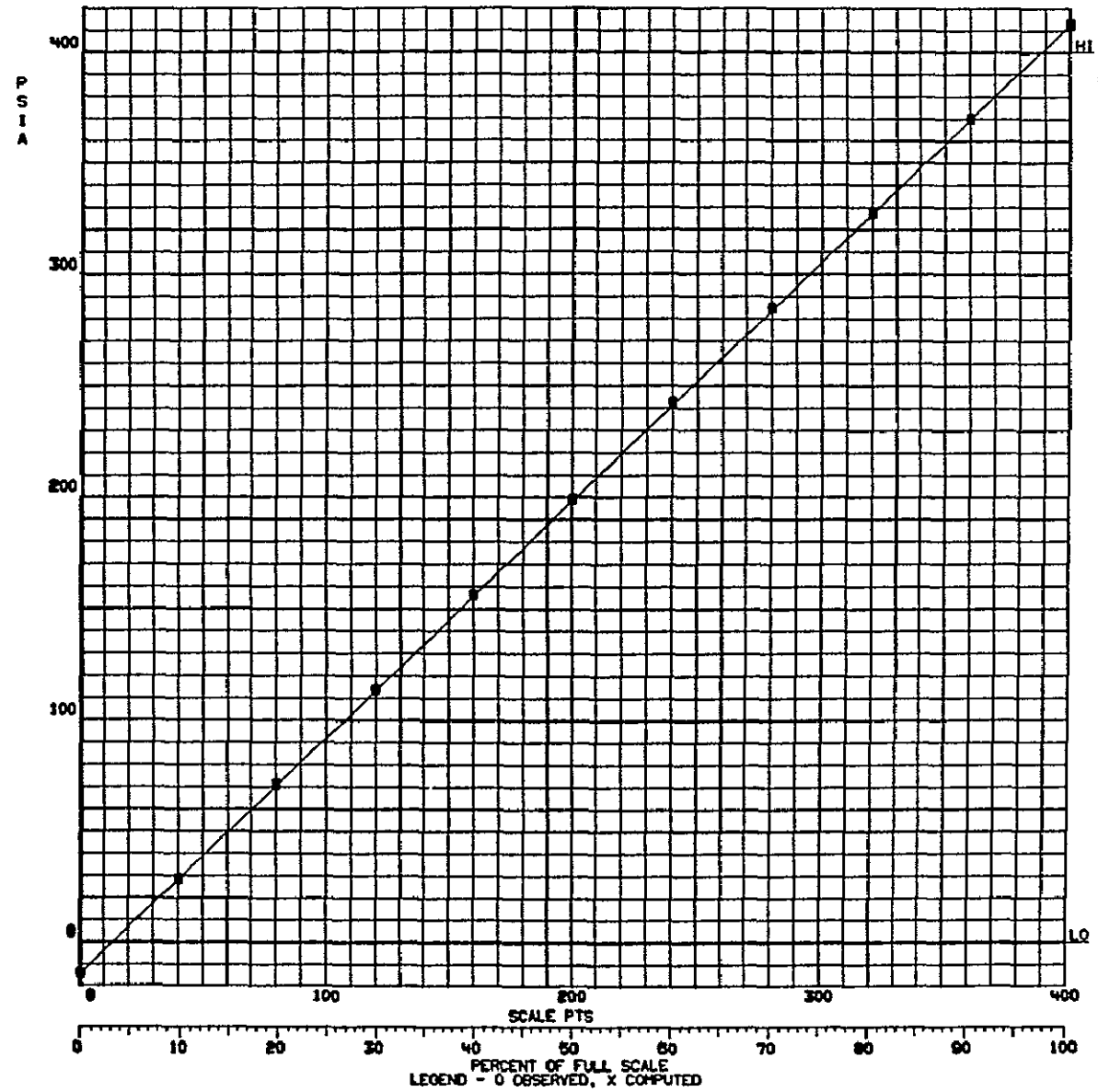
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO
77127- 1	10309603202A
80493- 1	097603838114

0459-77-03
0000 0392

RANGE
0.0
TO
400.0



EQUATION COEFFICIENTS

A_0=-1.432E 01

A_1= 1.069E 00

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5823P~ 1-0

LOADING NO.
M2P2

MINIMUM LOADING NO.

06/29/71
5 . 0

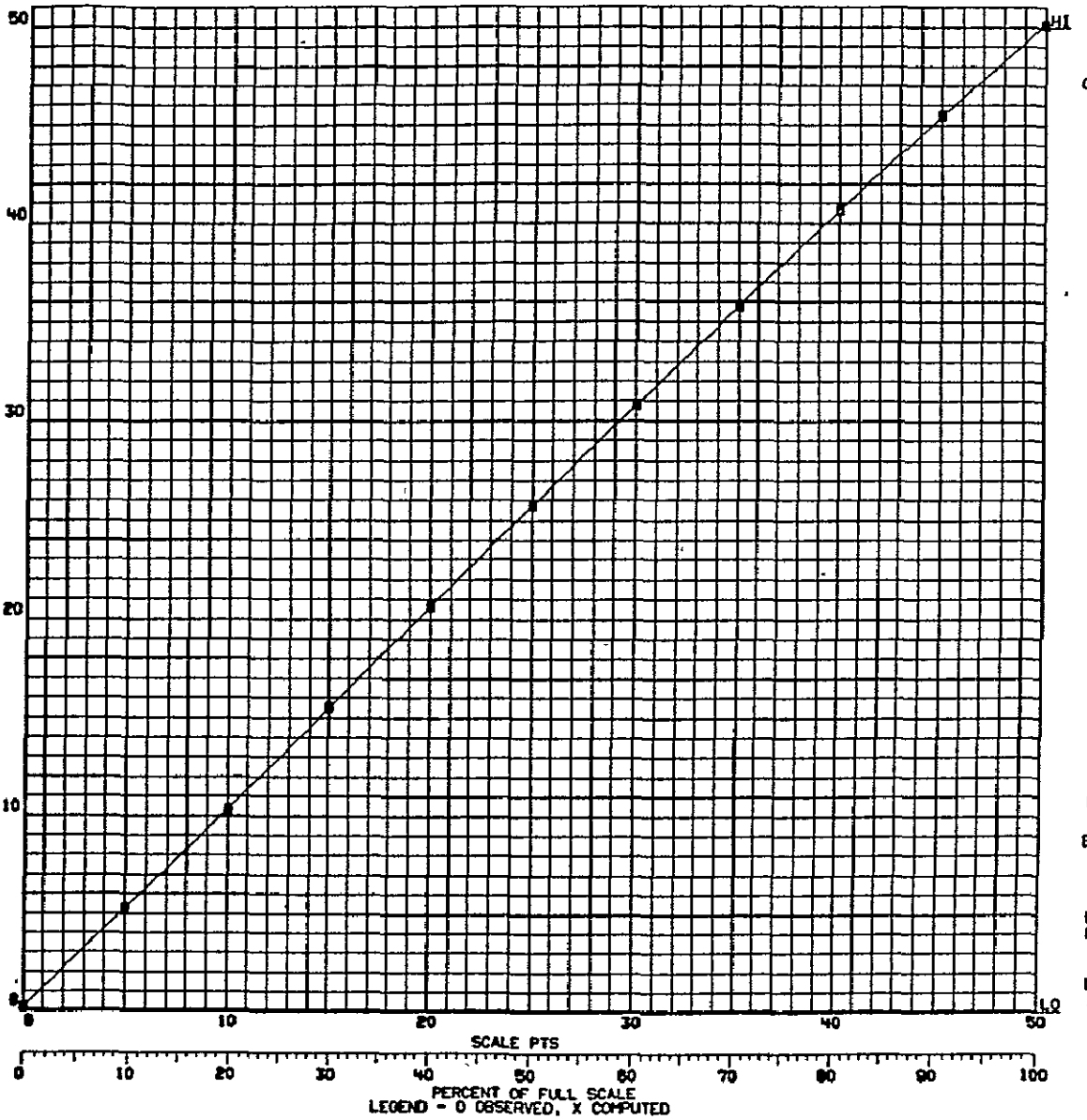
S-II FUEL TK/S-IVB_OX TK PR-A
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB NO.	SERIAL NO.
76827- 1	N/A
81453- 1	089781112097
77829- 1	100288AJ1022

0459-77-03
0000 0393

RANGE
0 0
TO
50.00



EQUATION
COEFFICIENTS

A_0= 1.873E-01
A_1= 1.008E 00
A_2= 1.279E-03
A_3=-3.095E-05
A_4= 3.045E-08

SIGMA=.00000
$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
B SQ050P- 1-0

LOADING NO
MA3P1

MINIMUM LOADING NO.

06/29/71
5 . 0

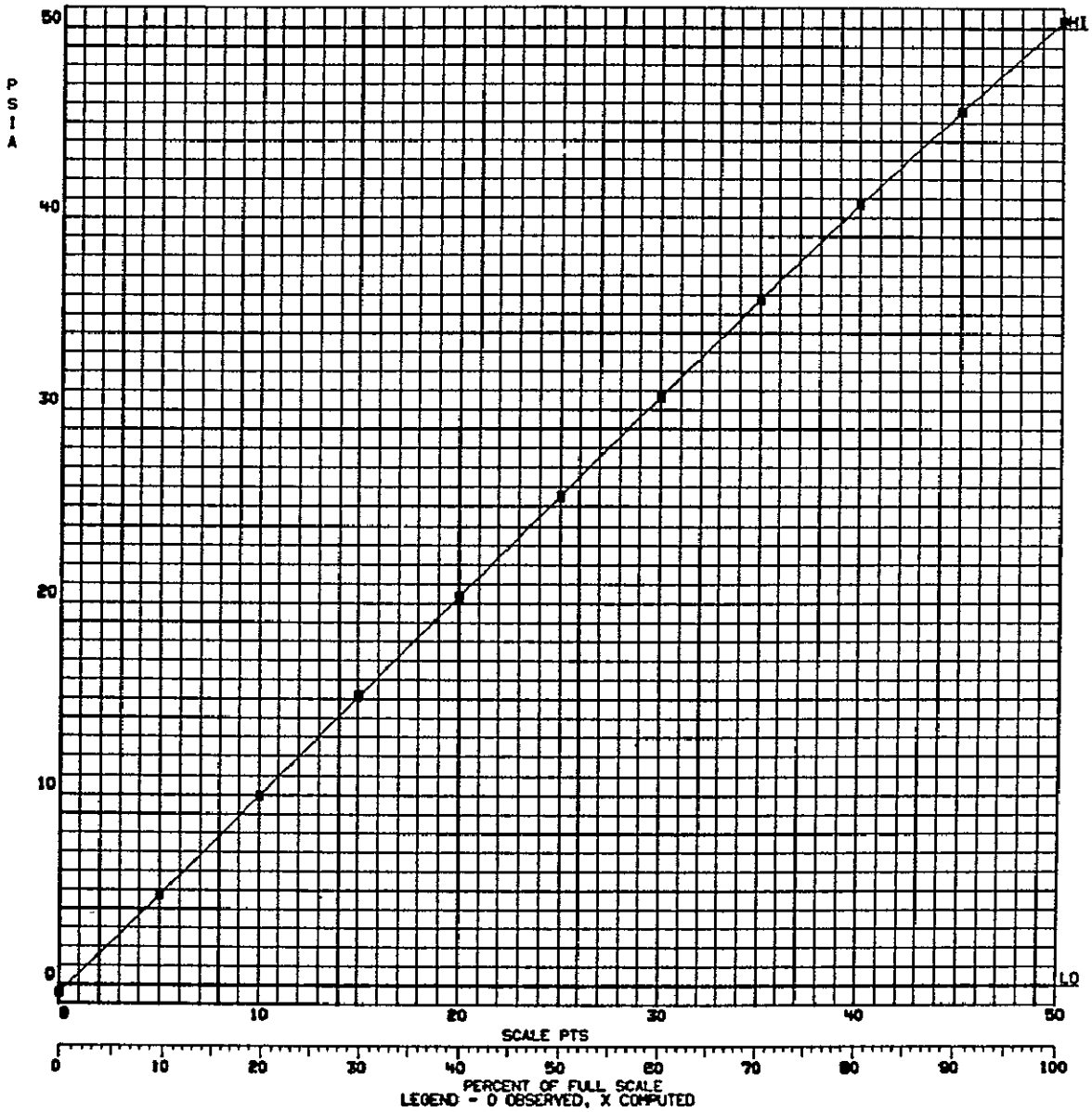
S-II FUEL TK/S-IVB OX TK PR B
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76827- 1	N/A
81452- 1	089781112004
77830- 1	10029BAJ1022

0459-77-03
0000 0394

RANGE
0 0
TO
50 00



EQUATION COEFFICIENTS

A_0=-4.192E-01
A_1= 1 022E 00
A_2= 1.377E-03
A_3=-3.250E-05
A_4= 3.240E-08

SIGMA=.00000

$\frac{SIGMA}{RANGE}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
B S0051P- 1-0

LOADING NO.
MA3P1

MINIMUM LOADING NO.

06/29/71
5 . 0

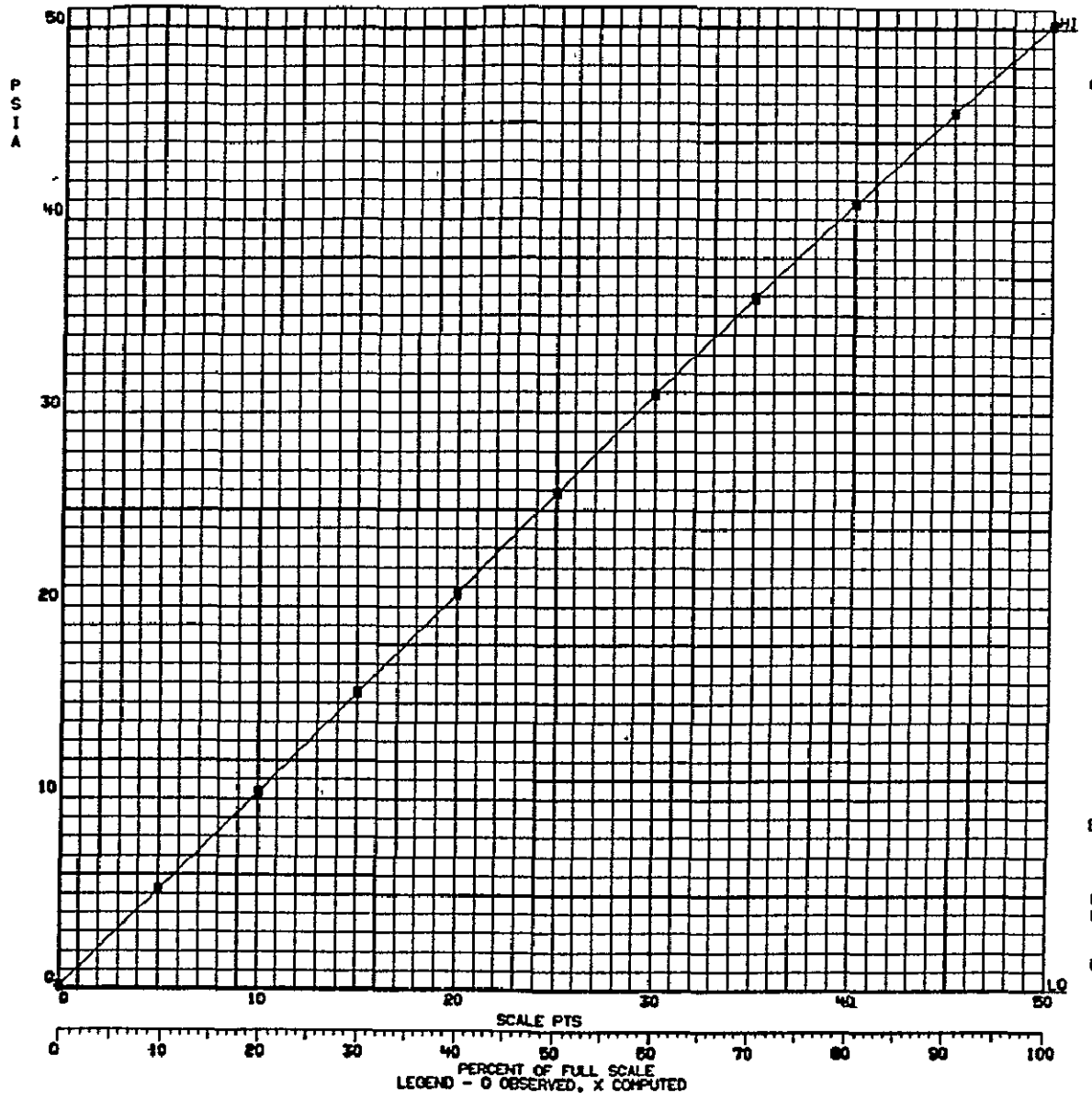
S-IVB FUEL PRESSURE A
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76828- 1	N/A
81451- 1	099791112097
77931- 1	100288AJ1022

0459-77-03
0000 0395

RANGE
0.0
TO
50.00



EQUATION COEFFICIENTS

A_0= 1.366E-01
A_1= 1.001E 00
A_2= 2.395E-03
A_3=-6.082E-05
A_4= 2.509E-07

SIGMA=.00000

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
B S0052P- 1-0

LOADING NO
MA3P1

MINIMUM LOADING NO.

06/29/71
5 . 0

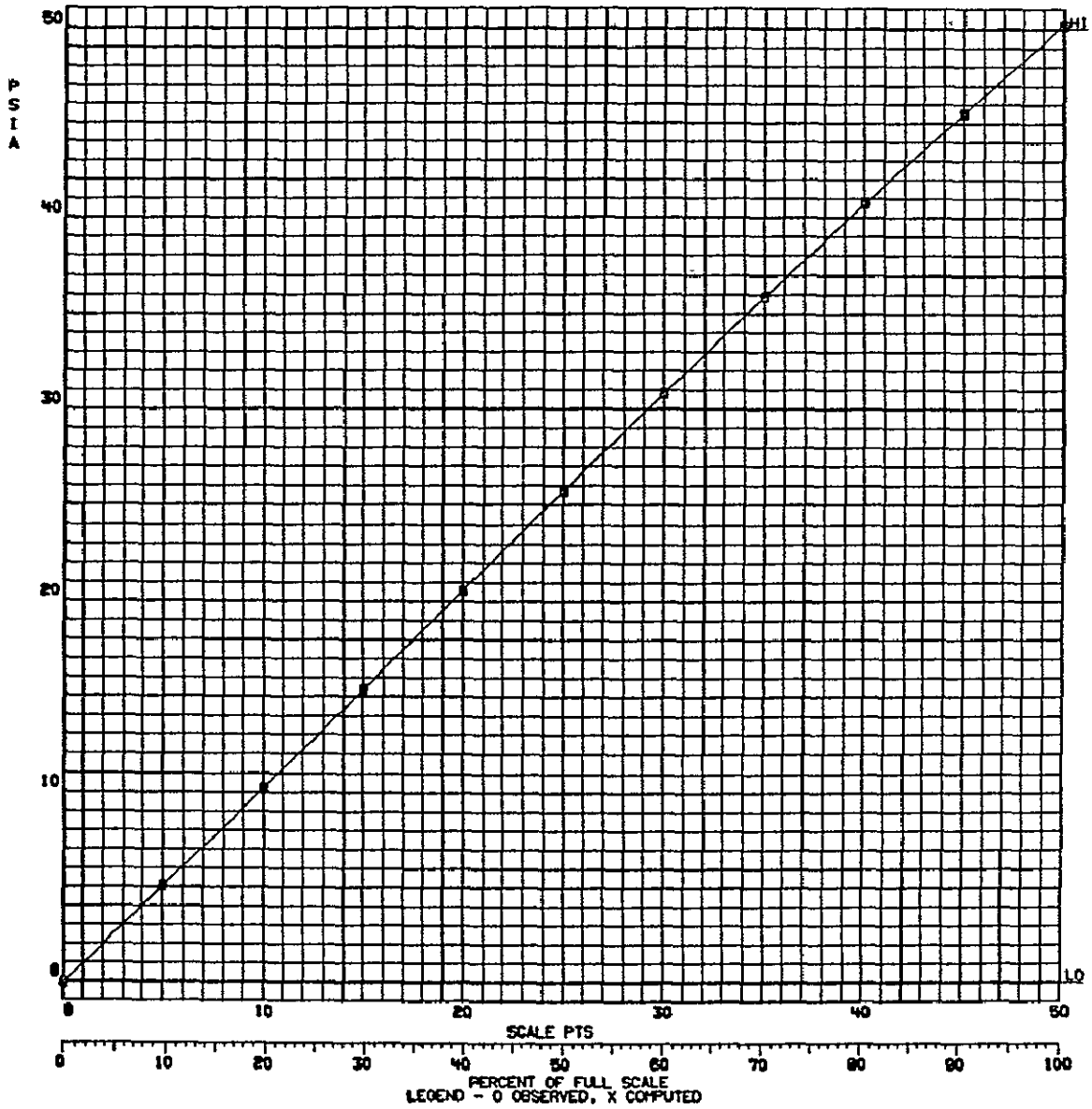
S-IVB FUEL PRESSURE B
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
76828- 1	N/A
81450- 1	0897811 12004
77832- 1	100298AJ1022

0459-77-03
0000 0396

RANGE
0.0
TO
50.00



EQUATION COEFFICIENTS

A_0=-3.797E-02
A_1= 1.004E 00
A_2= 2.444E-03
A_3=-6.165E-05
A_4= 2.544E-07

SIGMA=.00000

$\frac{SIGMA}{RANGE}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
BS0053P- 1-0

LOADING NO.
MA3P1

MINIMUM LOADING NO.

No calibration curve for Measurement No. LS0200H was available at time of publication.

No calibration curve for Measurement No. ST0152H was available at time of publication.

PRECEDING PAGE BLANK NOT FILMED

No calibration curve for Measurement No. STO153H was available at time of publication.

PRECEDING PAGE BLANK NOT FILMED

No calibration curve for Measurement No. ST0620E was available at time of publication.

NASA — MSC — Coml, Houston, Texas

APOLLO 16 OPERATIONAL CALIBRATION CURVES

VOLUME I CSM 113

Change Notice 1

Change Notice 1 comprises the first update (T-60, Move to Pad) to Apollo Operational Calibration Curves Volume I Calibration Curves for Command Service Module CSM 113. Incorporate Change Notice 1 into Volume I according to the instructions outlined below.

Delete the following pages:	Add the following pages:
Page No. ii	Page No. ii Change 1
	iiia Change 1
	vi Change 1
Section 1	
Page No. 1-1	Page No. 1-1 Change 1
Section 5	
Page No. 5-153 thru 5-224	Page No. 5-153 thru 5-224 Change 1
5-247 thru 5-252	5-247 thru 5-252 Change 1
Section 6	
Page No. 6-005 and 6-006	Page No. 6-005 and 6-006 Change 1
6-021 and 6-022	6-021 and 6-022 Change 1
6-029 thru 6-032	6-029 thru 6-032 Change 1
6-049 and 6-050	6-049 and 6-050 Change 1
6-117 thru 6-120	6-117 thru 6-120 Change 1
6-131 and 6-132	6-131 and 6-132 Change 1
6-143 and 6-144	6-143 and 6-144 Change 1
6-165 thru 6-168	6-165 thru 6-168 Change 1
6-171 thru 6-174	6-171 thru 6-174 Change 1
6-197 and 6-198	6-197 and 6-198 Change 1
6-291 thru 6-294	6-291 thru 6-294d Change 1
6-299 thru 6-314	6-299 thru 6-314 Change 1
Section 7	
Page No. 7-099 and 7-100	Page No. 7-099 and 7-100 Change 1
7-109 and 7-110	7-109 Change 1 and 7-110
7-145 and 7-147	7-145 and 7-146 Change 1

NOTICE OF CALIBRATION CHANGES

Calibrations for the measurement numbers listed below will be added in the next update to this document.

TELEMETER

Command Module

CF0072Q
CF0157R-31

METER LINK

CF0019Q
LS0200H
ST0620E

EXPERIMENTS

This section will be supplied later.

PUBLICATION HISTORY OF CALIBRATION CURVES

FOR

CSM 113

INITIAL RELEASE December 17, 1971

CHANGE NOTICE 1 February 18, 1972

The effect of Change Notice 1 on the calibrations of the measurements listed below is as follows:

Command Module

Revised

CH3500H12
CH3500H22
CH3501H12
CH3501H22
CH3502H12
CH3502H22
CH3502H32
CH3502H42
CH3503R12
CH3503R22
CH3503R32
CH3503R42
CH3503R52
CH3503R62
CH3504R12
CH3504R22
CH3504R32
CH3504R42
CH3504R52
CH3504R62
CH3505R12
CH3505R22
CH3505R32
CH3505R42
CH3505R52
CH3505R62
CH2517H02
CH3518H02
CH3582V03
CH3503V03
CH3585H13
CH3585H23

Revised

CH3586H13
CH3586H23
CH3587H03
CK1051K11
CK1051K21
CK1052K11
CK1052K21
CK1053R01

Service Module

Revised

SA1632T02
SC0039P02
SC0043T02
SC0044T02
SC0071T02
SL1085T02
SL1086T02
SL1208T02
SP0003P03
SP0055T03
SP0056T03
SP0058T03
SP0059T03
SR5002P03
ST0152H11
ST0152H21
ST0152H31
ST0153H11

Revised

ST0153H21
ST0153H31
ST0820K01
ST0821K01
ST0822K01
ST0823K01
ST0830K01
ST0831K01
ST0832K01
ST0838K01

Onboard Displayed

Revised

SP0003P03
SR5002P03

Added

ST0152H01
ST0153H01

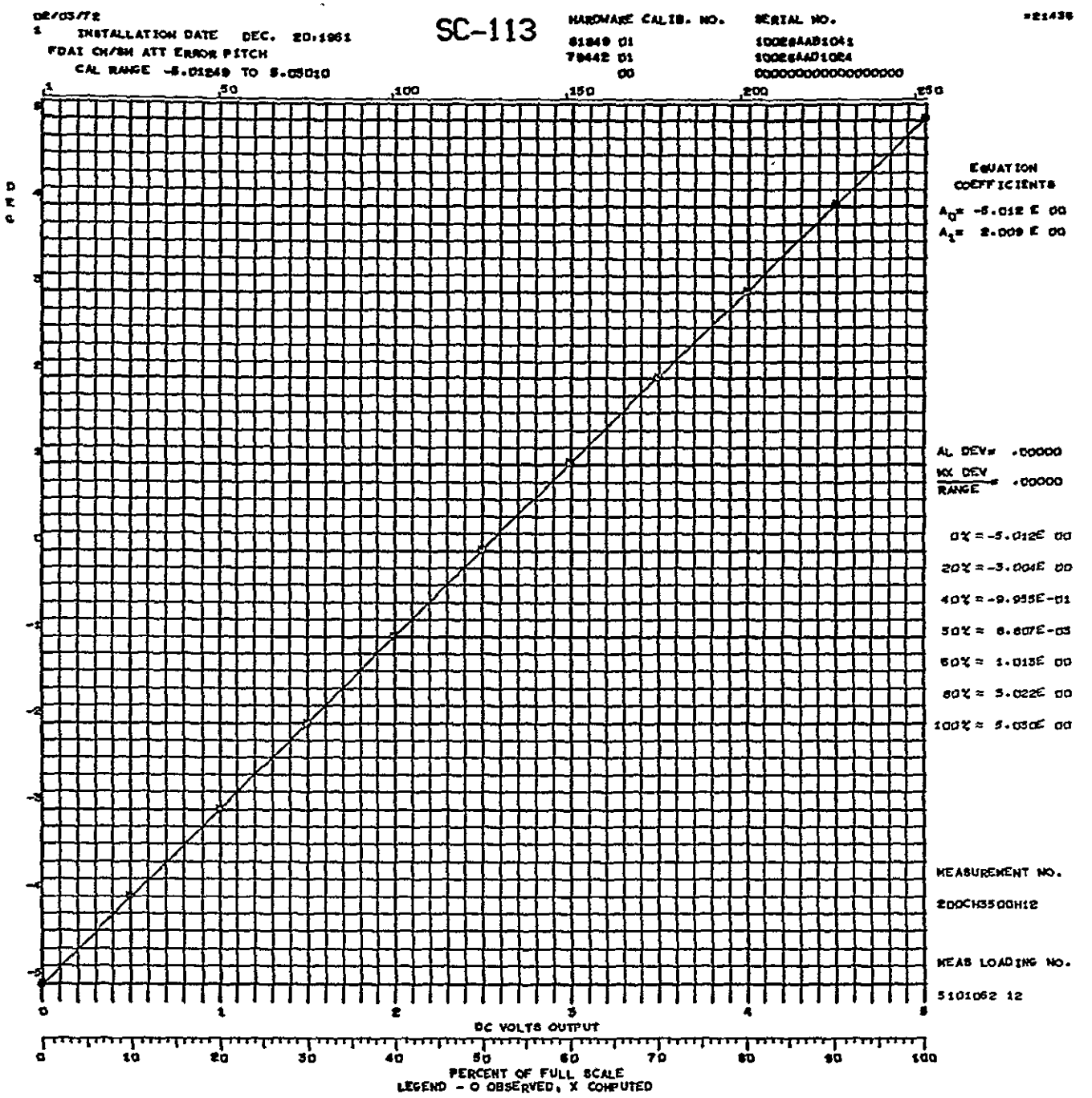
SECTION 1

INTRODUCTION

1.1 General

The measurement calibration curves presented in this document represent the latest available information at Houston, Texas as of February 18, 1972.

The calibration curves contained herein are arranged by vehicle stage in alphanumeric order of the measurement number.



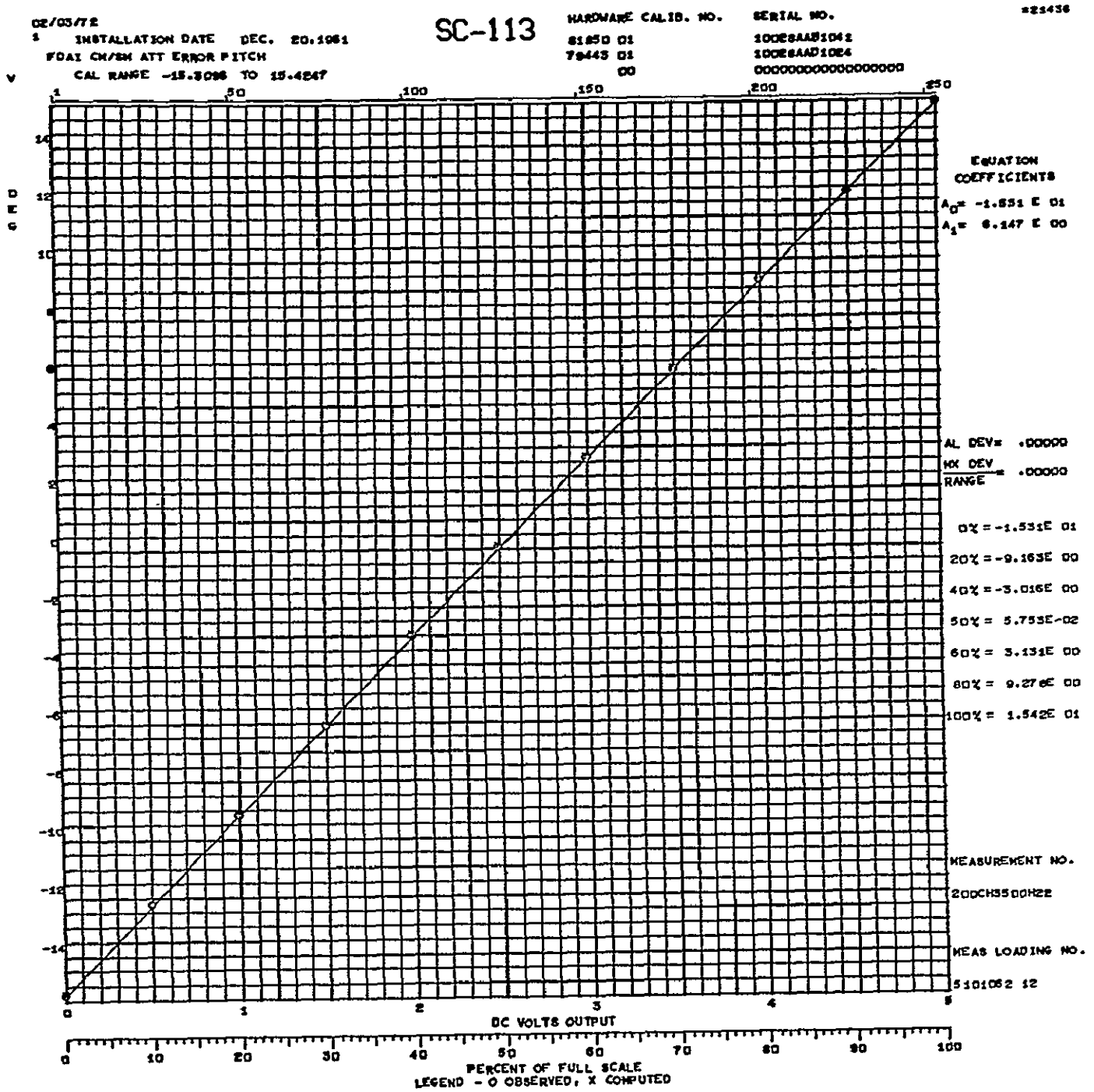
This is a multiple mode measurement. It is one of two options.
See FDIA Event Correlations on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR PITCH

MEASUREMENT NO. 200CM3500M12
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/31

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.012	38	-3.544	75	-2.075	112	-0.605	149	0.862	186	2.331	223	3.800
2	-4.973	39	-3.504	76	-2.036	113	-0.567	150	0.902	187	2.371	224	3.839
3	-4.953	40	-3.464	77	-1.996	114	-0.527	151	0.942	188	2.410	225	3.879
4	-4.895	41	-3.425	78	-1.956	115	-0.487	152	0.981	189	2.450	226	3.919
5	-4.854	42	-3.385	79	-1.916	116	-0.448	153	1.021	190	2.490	227	3.958
6	-4.814	43	-3.345	80	-1.877	117	-0.408	154	1.061	191	2.529	228	3.998
7	-4.774	44	-3.308	81	-1.837	118	-0.368	155	1.100	192	2.569	229	4.038
8	-4.735	45	-3.266	82	-1.797	119	-0.329	156	1.140	193	2.609	230	4.077
9	-4.695	46	-3.228	83	-1.758	120	-0.289	157	1.180	194	2.648	231	4.117
10	-4.655	47	-3.187	84	-1.718	121	-0.249	158	1.219	195	2.688	232	4.157
11	-4.616	48	-3.147	85	-1.678	122	-0.210	159	1.259	196	2.728	233	4.197
12	-4.576	49	-3.107	86	-1.638	123	-0.170	160	1.299	197	2.768	234	4.236
13	-4.536	50	-3.067	87	-1.599	124	-0.130	161	1.339	198	2.807	235	4.276
14	-4.496	51	-3.028	88	-1.559	125	-0.090	162	1.378	199	2.847	236	4.316
15	-4.457	52	-2.988	89	-1.519	126	-0.051	163	1.418	200	2.887	237	4.355
16	-4.417	53	-2.948	90	-1.480	127	-0.011	164	1.458	201	2.926	238	4.395
17	-4.377	54	-2.909	91	-1.440	128	0.029	165	1.497	202	2.966	239	4.435
18	-4.338	55	-2.869	92	-1.400	129	0.068	166	1.537	203	3.006	240	4.474
19	-4.298	56	-2.829	93	-1.361	130	0.108	167	1.577	204	3.045	241	4.514
20	-4.258	57	-2.790	94	-1.321	131	0.148	168	1.616	205	3.085	242	4.554
21	-4.219	58	-2.750	95	-1.281	132	0.187	169	1.656	206	3.125	243	4.593
22	-4.179	59	-2.710	96	-1.242	133	0.227	170	1.696	207	3.164	244	4.633
23	-4.139	60	-2.671	97	-1.202	134	0.267	171	1.735	208	3.204	245	4.673
24	-4.100	61	-2.631	98	-1.162	135	0.307	172	1.775	209	3.244	246	4.713
25	-4.060	62	-2.591	99	-1.122	136	0.346	173	1.815	210	3.284	247	4.752
26	-4.020	63	-2.551	100	-1.083	137	0.386	174	1.855	211	3.323	248	4.792
27	-3.980	64	-2.512	101	-1.043	138	0.426	175	1.894	212	3.363	249	4.832
28	-3.941	65	-2.472	102	-1.003	139	0.465	176	1.934	213	3.403	250	4.871
29	-3.901	66	-2.432	103	-0.964	140	0.505	177	1.974	214	3.442	251	4.911
30	-3.861	67	-2.393	104	-0.924	141	0.545	178	2.013	215	3.482	252	4.951
31	-3.822	68	-2.353	105	-0.884	142	0.584	179	2.053	216	3.522	253	4.990
32	-3.782	69	-2.313	106	-0.845	143	0.624	180	2.093	217	3.561	254	5.030
33	-3.742	70	-2.274	107	-0.805	144	0.664	181	2.132	218	3.601		
34	-3.703	71	-2.234	108	-0.765	145	0.703	182	2.172	219	3.641		
35	-3.663	72	-2.194	109	-0.726	146	0.743	183	2.212	220	3.681		
36	-3.623	73	-2.155	110	-0.686	147	0.783	184	2.252	221	3.720		
37	-3.584	74	-2.115	111	-0.646	148	0.823	185	2.291	222	3.760		



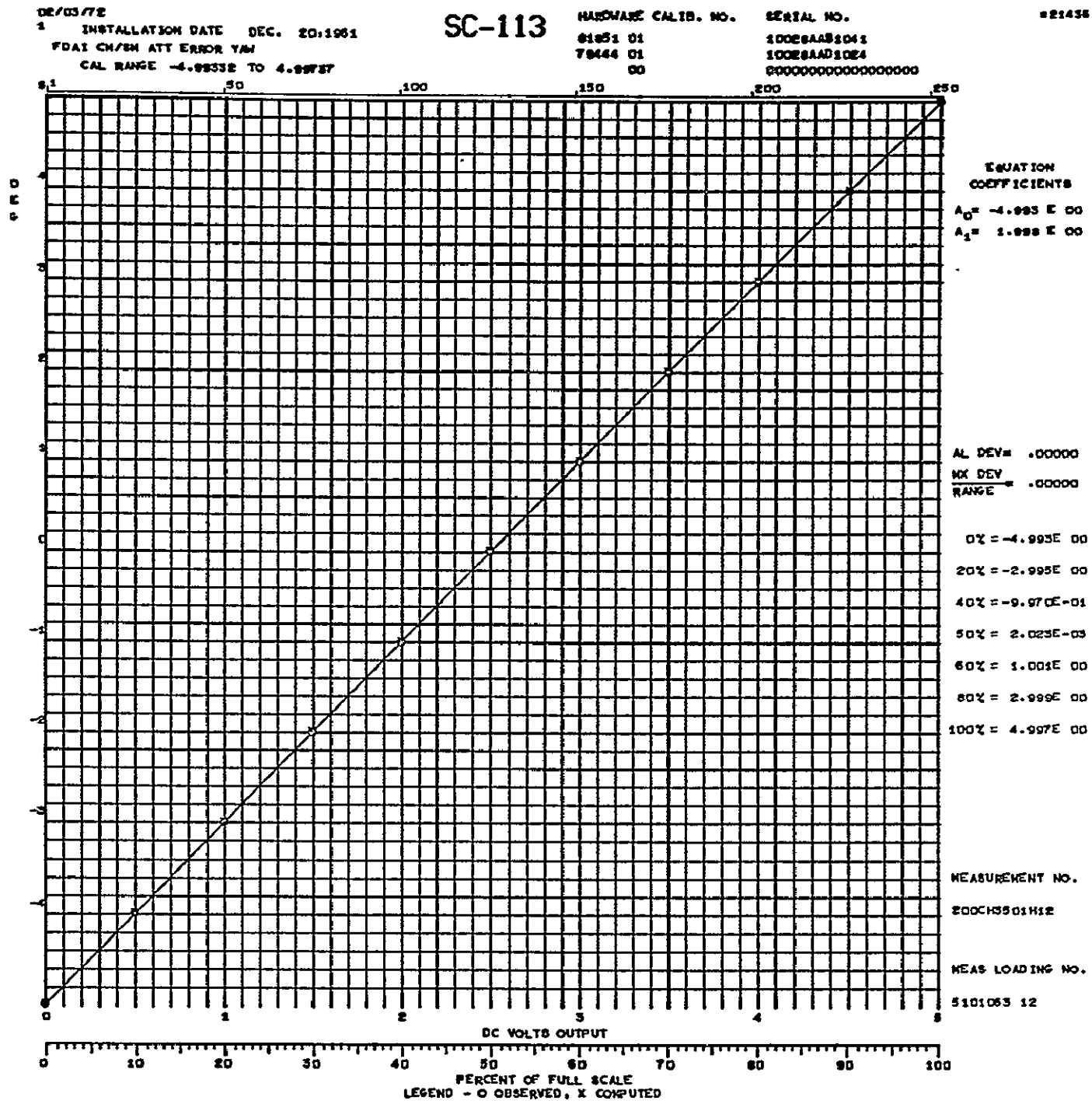
This is a multiple mode measurement. It is two of two options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR PITCH

MEASUREMENT NO. 200CM5500H22
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-15.310	38	-10.815	75	-6.320	112	-1.825	149	2.669	186	7.164	223	11.659
2	-15.186	39	-10.693	76	-6.199	113	-1.704	150	2.791	187	7.288	224	11.780
3	-15.067	40	-10.572	77	-6.077	114	-1.582	151	2.912	188	7.407	225	11.902
4	-14.945	41	-10.450	78	-5.956	115	-1.461	152	3.034	189	7.529	226	12.023
5	-14.824	42	-10.329	79	-5.834	116	-1.339	153	3.155	190	7.650	227	12.145
6	-14.702	43	-10.207	80	-5.713	117	-1.218	154	3.277	191	7.771	228	12.266
7	-14.581	44	-10.085	81	-5.591	118	-1.097	155	3.398	192	7.895	229	12.388
8	-14.459	45	-9.965	82	-5.470	119	-0.975	156	3.520	193	8.014	230	12.509
9	-14.338	46	-9.843	83	-5.348	120	-0.854	157	3.641	194	8.136	231	12.631
10	-14.215	47	-9.722	84	-5.227	121	-0.732	158	3.763	195	8.257	232	12.752
11	-14.095	48	-9.600	85	-5.105	122	-0.611	159	3.884	196	8.379	233	12.874
12	-13.973	49	-9.479	86	-4.984	123	-0.489	160	4.006	197	8.500	234	12.995
13	-13.852	50	-9.357	87	-4.862	124	-0.368	161	4.127	198	8.622	235	13.117
14	-13.730	51	-9.236	88	-4.741	125	-0.246	162	4.249	199	8.743	236	13.238
15	-13.609	52	-9.114	89	-4.619	126	-0.125	163	4.370	200	8.865	237	13.360
16	-13.487	53	-8.993	90	-4.498	127	-0.003	164	4.492	201	8.986	238	13.481
17	-13.366	54	-8.871	91	-4.376	128	0.118	165	4.613	202	9.108	239	13.602
18	-13.244	55	-8.750	92	-4.255	129	0.240	166	4.734	203	9.229	240	13.724
19	-13.123	56	-8.628	93	-4.134	130	0.361	167	4.856	204	9.351	241	13.845
20	-13.002	57	-8.507	94	-4.012	131	0.483	168	4.977	205	9.472	242	13.967
21	-12.880	58	-8.385	95	-3.891	132	0 604	169	5.099	206	9.594	243	14.088
22	-12.759	59	-8.264	96	-3.769	133	0.726	170	5.220	207	9.715	244	14.210
23	-12.637	60	-8.142	97	-3.648	134	0.847	171	5.342	208	9.837	245	14.331
24	-12.516	61	-8.021	98	-3.526	135	0.969	172	5.463	209	9.958	246	14.453
25	-12.394	62	-7.899	99	-3.405	136	1.090	173	5.585	210	10.080	247	14.574
26	-12.273	63	-7.778	100	-3.283	137	1.212	174	5.706	211	10.201	248	14.696
27	-12.151	64	-7.656	101	-3.162	138	1.333	175	5.828	212	10.323	249	14.817
28	-12.030	65	-7.535	102	-3.040	139	1.455	176	5.949	213	10.444	250	14.939
29	-11.908	66	-7.413	103	-2.919	140	1.576	177	6.071	214	10.566	251	15.060
30	-11.787	67	-7.292	104	-2.797	141	1.698	178	6.192	215	10.687	252	15.182
31	-11.665	68	-7.170	105	-2.676	142	1.819	179	6.314	216	10.808	253	15.303
32	-11.544	69	-7.049	106	-2 554	143	1.940	180	6.435	217	10.930	254	15.425
33	-11.422	70	-6.928	107	-2.433	144	2.062	181	6.557	218	11.051		
34	-11.301	71	-6.806	108	-2 311	145	2.183	182	6.678	219	11.173		
35	-11.179	72	-6.685	109	-2.190	146	2.305	183	6.800	220	11.294		
36	-11.058	73	-6.563	110	-2.068	147	2 426	184	6.921	221	11.416		
37	-10.936	74	-6.442	111	-1.947	148	2.548	185	7.043	222	11.537		



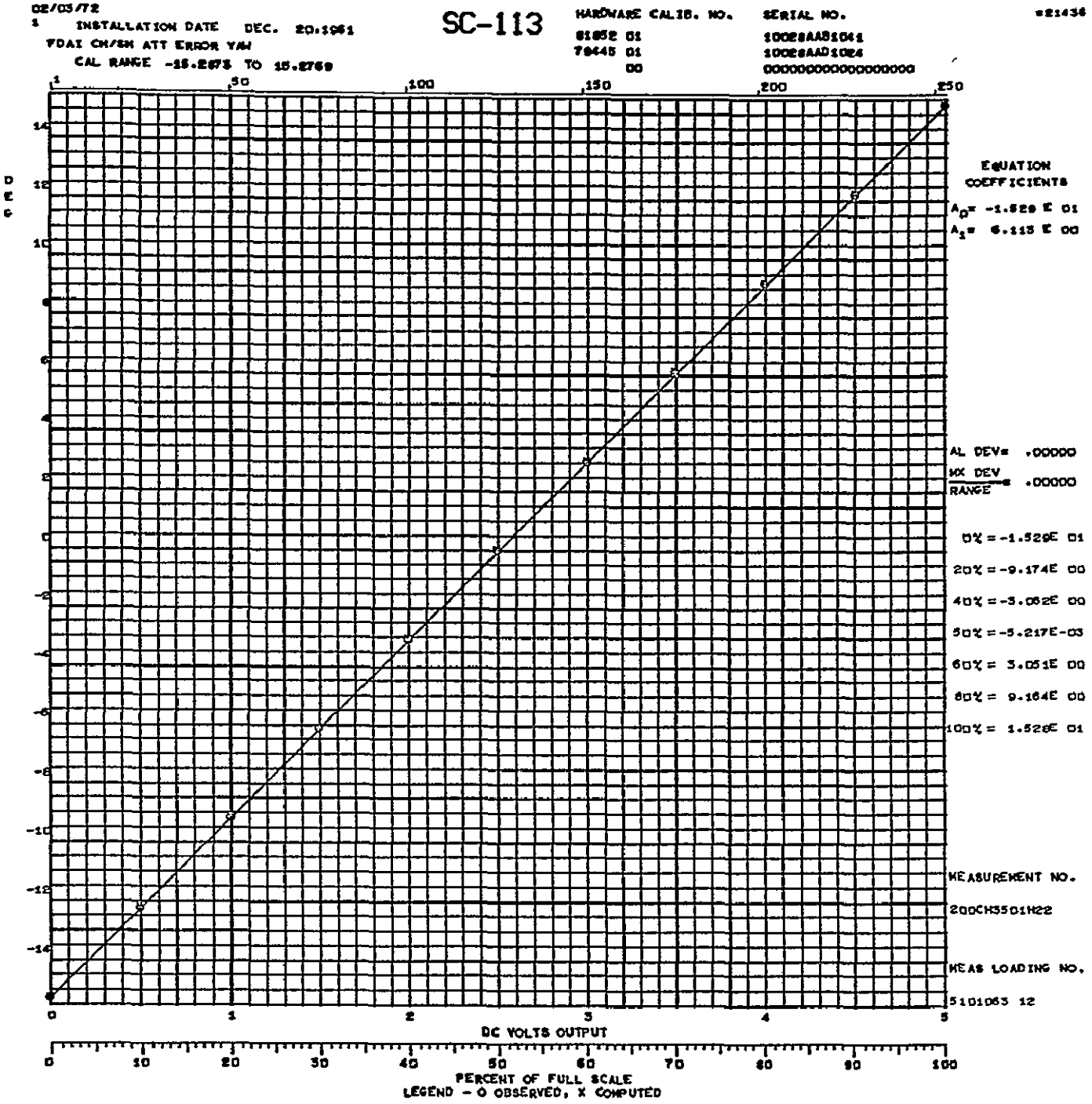
This is a multiple mode measurement. It is one of two options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR YAW

MEASUREMENT NO. 200CM5501M12
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AA81041
SIGNAL CONDITIONER SERIAL NO. 10028AA01024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-4.993	38	-3.532	75	-2.071	112	-0.610	149	0.851	186	2.312	223	3.773
2	-4.954	39	-3.493	76	-2.052	113	-0.571	150	0.891	187	2.352	224	3.813
3	-4.914	40	-3.453	77	-1.992	114	-0.531	151	0.950	188	2.391	225	3.852
4	-4.875	41	-3.414	78	-1.953	115	-0.492	152	0.970	189	2.431	226	3.892
5	-4.835	42	-3.374	79	-1.913	116	-0.452	153	1.009	190	2.470	227	3.951
6	-4.795	43	-3.335	80	-1.874	117	-0.413	154	1.048	191	2.510	228	3.971
7	-4.756	44	-3.295	81	-1.834	118	-0.373	155	1.088	192	2.549	229	4.010
8	-4.717	45	-3.256	82	-1.795	119	-0.334	156	1.127	193	2.589	230	4.050
9	-4.677	46	-3.216	83	-1.755	120	-0.294	157	1.167	194	2.628	231	4.089
10	-4.638	47	-3.177	84	-1.716	121	-0.255	158	1.206	195	2.668	232	4.129
11	-4.598	48	-3.137	85	-1.676	122	-0.215	159	1.246	196	2.707	233	4.168
12	-4.559	49	-3.098	86	-1.637	123	-0.176	160	1.285	197	2.747	234	4.208
13	-4.519	50	-3.058	87	-1.597	124	-0.136	161	1.325	198	2.786	235	4.247
14	-4.480	51	-3.019	88	-1.558	125	-0.097	162	1.364	199	2.825	236	4.287
15	-4.440	52	-2.979	89	-1.518	126	-0.057	163	1.404	200	2.865	237	4.328
16	-4.401	53	-2.940	90	-1.479	127	-0.018	164	1.443	201	2.904	238	4.366
17	-4.362	54	-2.900	91	-1.439	128	0.022	165	1.483	202	2.944	239	4.405
18	-4.322	55	-2.861	92	-1.400	129	0.061	166	1.522	203	2.983	240	4.445
19	-4.283	56	-2.821	93	-1.360	130	0.101	167	1.562	204	3.023	241	4.484
20	-4.243	57	-2.782	94	-1.321	131	0.140	168	1.601	205	3.062	242	4.524
21	-4.204	58	-2.742	95	-1.281	132	0.180	169	1.641	206	3.102	243	4.563
22	-4.164	59	-2.703	96	-1.242	133	0.219	170	1.680	207	3.141	244	4.602
23	-4.125	60	-2 663	97	-1.202	134	0.259	171	1.720	208	3.181	245	4.642
24	-4.085	61	-2.624	98	-1.163	135	0.298	172	1.759	209	3.220	246	4.681
25	-4.046	62	-2.584	99	-1.123	136	0.338	173	1.799	210	3.260	247	4.721
26	-4.006	63	-2 545	100	-1.084	137	0.377	174	1.838	211	3.299	248	4.760
27	-3.967	64	-2.505	101	-1.044	138	0 417	175	1.878	212	3.339	249	4.800
28	-3.927	65	-2.466	102	-1.005	139	0.456	176	1.917	213	3.378	250	4.839
29	-3.888	66	-2.427	103	-0.965	140	0.496	177	1.957	214	3.418	251	4.879
30	-3.848	67	-2.387	104	-0.926	141	0.535	178	1.996	215	3.457	252	4.918
31	-3.809	68	-2.348	105	-0.886	142	0.575	179	2.036	216	3.497	253	4.958
32	-3.769	69	-2.308	106	-0.847	143	0 614	180	2.075	217	3.536	254	4.997
33	-3.730	70	-2.269	107	-0.807	144	0.654	181	2.115	218	3.576		
34	-3.690	71	-2.229	108	-0.768	145	0 693	182	2.154	219	3.615		
35	-3.651	72	-2.190	109	-0.729	146	0.733	183	2.194	220	3.655		
36	-3.611	73	-2.150	110	-0.689	147	0.772	184	2.233	221	3.694		
37	-3.572	74	-2.111	111	-0.650	148	0 812	185	2.273	222	3.734		



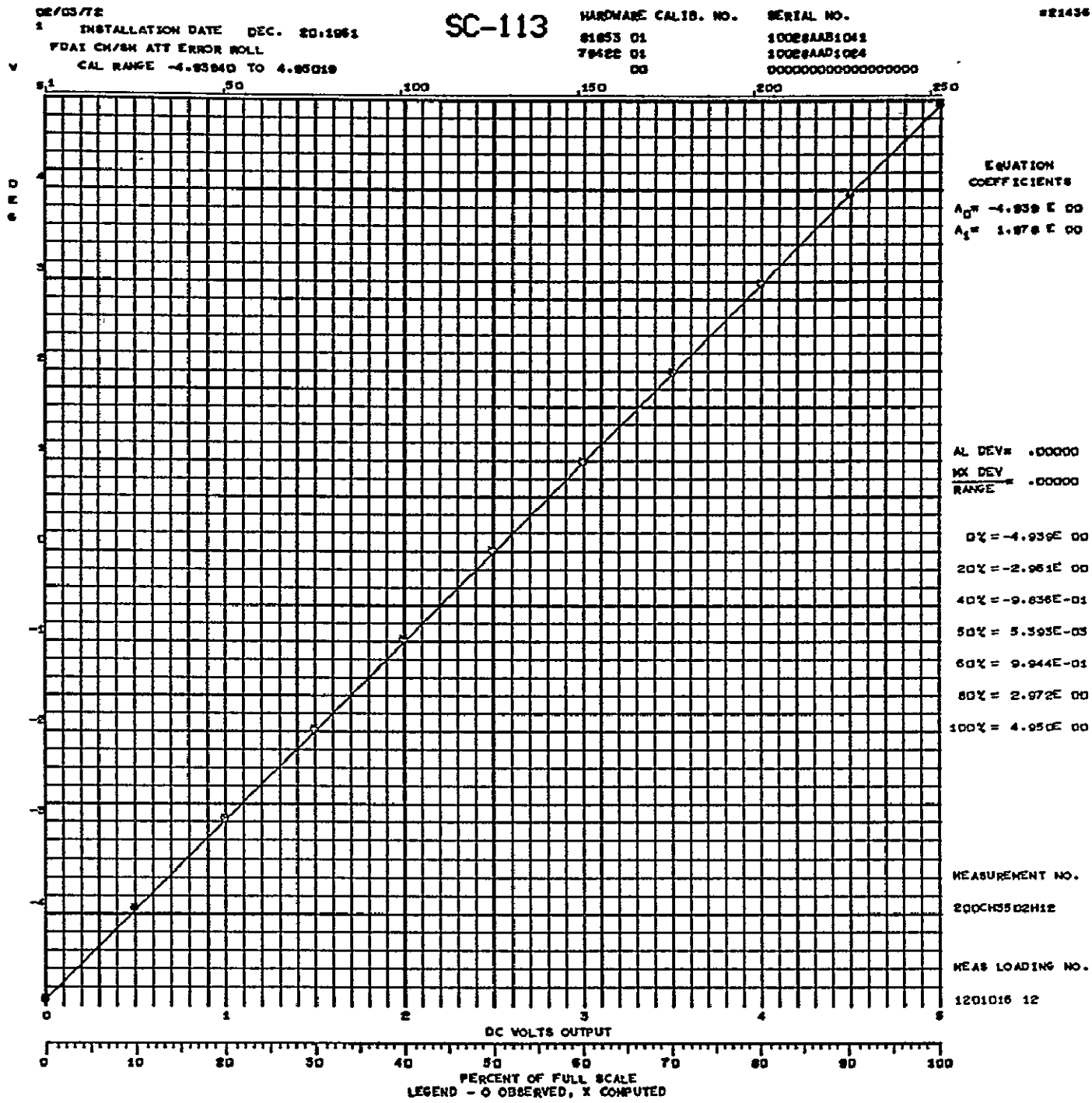
This is a multiple mode measurement. It is two of two options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CH/SM ATT ERROR YAW

MEASUREMENT NO. 200CH5301H22
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1CC4
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-15.297	38	-10.817	75	-6.348	112	-1.878	149	2.592	186	7.062	223	11.532
2	-15.356	39	-10.697	76	-6.227	113	-1.757	150	2.713	187	7.183	224	11.653
3	-15.046	40	-10 576	77	-6.105	114	-1.636	151	2.834	188	7.304	225	11.773
4	-14.925	41	-10.455	78	-5.985	115	-1.515	152	2.955	189	7.424	226	11.894
5	-14.804	42	-10.334	79	-5.864	116	-1.394	153	3.075	190	7.545	227	12.015
6	-14.683	43	-10.213	80	-5.744	117	-1.274	154	3.196	191	7.666	228	12.136
7	-14.562	44	-10.093	81	-5.623	118	-1.153	155	3.317	192	7.787	229	12.257
8	-14.442	45	-9.972	82	-5.502	119	-1.032	156	3.438	193	7.908	230	12.377
9	-14.321	46	-9.851	83	-5.381	120	-0.911	157	3.559	194	8.028	231	12.498
10	-14.200	47	-9.730	84	-5.260	121	-0.790	158	3.679	195	8.149	232	12.619
11	-14.079	48	-9.609	85	-5.140	122	-0.670	159	3.800	196	8 270	233	12.740
12	-13.958	49	-9.489	86	-5.019	123	-0.549	160	3.921	197	8.391	234	12.861
13	-13.838	50	-9.368	87	-4.898	124	-0.428	161	4.042	198	8 512	235	12.982
14	-13.717	51	-9.247	88	-4.777	125	-0.307	162	4.163	199	8.632	236	13.102
15	-13.596	52	-9.126	89	-4.656	126	-0.186	163	4.283	200	8.753	237	13.223
16	-13.475	53	-9.005	90	-4.535	127	-0.066	164	4.404	201	8.874	238	13.344
17	-13.354	54	-8.885	91	-4.415	128	0.055	165	4.525	202	8.995	239	13.465
18	-13.234	55	-8.764	92	-4.294	129	0.176	166	4.645	203	9.116	240	13.586
19	-13.113	56	-8.643	93	-4.173	130	0.297	167	4.767	204	9 237	241	13.706
20	-12.992	57	-8.522	94	-4.052	131	0.418	168	4.887	205	9.357	242	13.827
21	-12.871	58	-8.401	95	-3.931	132	0.538	169	5.008	206	9.478	243	13.948
22	-12.750	59	-8 280	96	-3.811	133	0.659	170	5.129	207	9.599	244	14.069
23	-12.630	60	-8.160	97	-3.690	134	0.780	171	5.250	208	9.720	245	14.190
24	-12.509	61	-8.039	98	-3.569	135	0.901	172	5.371	209	9.841	246	14.310
25	-12.388	62	-7.918	99	-3.448	136	1.022	173	5.491	210	9.961	247	14.431
26	-12.267	63	-7.797	100	-3.327	137	1.142	174	5.612	211	10.082	248	14.552
27	-12.146	64	-7.676	101	-3.207	138	1.263	175	5.733	212	10.203	249	14.673
28	-12.026	65	-7.556	102	-3.086	139	1.384	176	5.854	213	10.324	250	14.794
29	-11.905	66	-7.435	103	-2.965	140	1.505	177	5.975	214	10 445	251	14.914
30	-11.784	67	-7.314	104	-2.844	141	1.626	178	6.096	215	10.565	252	15.035
31	-11.663	68	-7.193	105	-2.723	142	1.746	179	6.216	216	10.686	253	15.156
32	-11.542	69	-7.072	106	-2.603	143	1.867	180	6.337	217	10.807	254	15.277
33	-11.421	70	-6.952	107	-2.482	144	1.988	181	6.458	218	10.928		
34	-11.301	71	-6.831	108	-2.361	145	2.109	182	6.579	219	11.049		
35	-11.180	72	-6.710	109	-2.240	146	2.230	183	6.700	220	11.169		
36	-11.059	73	-6.589	110	-2.119	147	2.351	184	6.820	221	11.290		
37	-10.938	74	-6.468	111	-1.999	148	2 471	185	6.941	222	11.411		



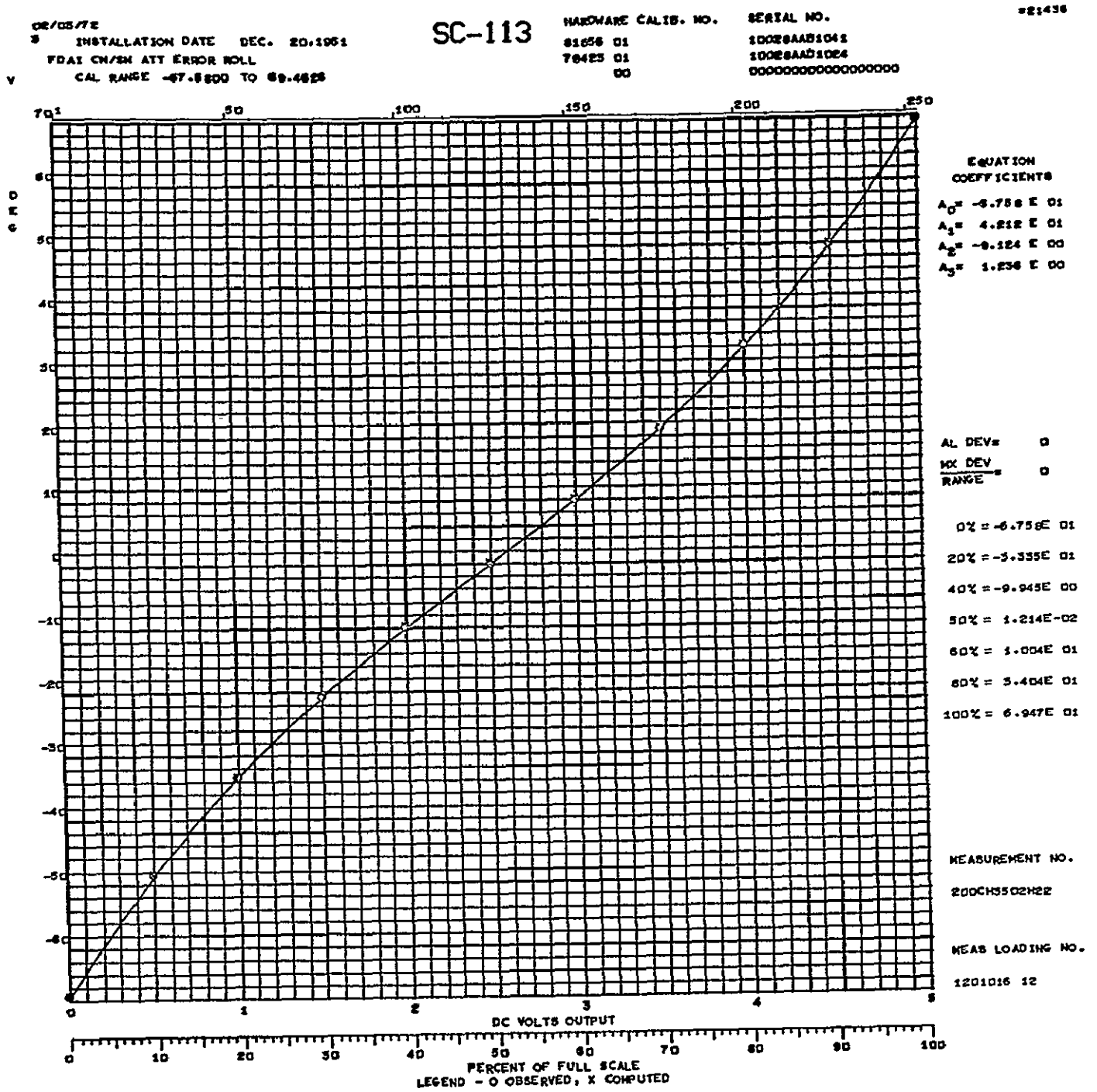
This is a multiple mode measurement. It is one of four options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR ROLL

MEASUREMENT NO. 200CM5502H12
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10026AAB1041
SIGNAL CONDITIONER SERIAL NO. 10026AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-4.959	38	-3.498	75	-2.047	112	-0.600	149	0.846	186	2.292	223	3.736
2	-4.900	39	-3.454	76	-2.008	113	-0.561	150	0.885	187	2.331	224	3.778
3	-4.851	40	-3.415	77	-1.959	114	-0.522	151	0.924	188	2.370	225	3.817
4	-4.822	41	-3.376	78	-1.930	115	-0.483	152	0.963	189	2.409	226	3.856
5	-4.783	42	-3.337	79	-1.890	116	-0.444	153	1.002	190	2.448	227	3.895
6	-4.744	43	-3.298	80	-1.851	117	-0.405	154	1.041	191	2.488	228	3.934
7	-4.705	44	-3.259	81	-1.812	118	-0.366	155	1.080	192	2.527	229	3.973
8	-4.666	45	-3.219	82	-1.773	119	-0.327	156	1.119	193	2.566	230	4.012
9	-4.627	46	-3.180	83	-1.734	120	-0.288	157	1.159	194	2.605	231	4.051
10	-4.588	47	-3.141	84	-1.695	121	-0.249	158	1.198	195	2.644	232	4.090
11	-4.549	48	-3.102	85	-1.656	122	-0.210	159	1.237	196	2.683	233	4.129
12	-4.509	49	-3.063	86	-1.617	123	-0.171	160	1.276	197	2.722	234	4.168
13	-4.470	50	-3.024	87	-1.578	124	-0.131	161	1.315	198	2.761	235	4.207
14	-4.431	51	-2.985	88	-1.539	125	-0.092	162	1.354	199	2.800	236	4.247
15	-4.392	52	-2.946	89	-1.500	126	-0.053	163	1.393	200	2.839	237	4.286
16	-4.353	53	-2.907	90	-1.460	127	-0.014	164	1.432	201	2.878	238	4.325
17	-4.314	54	-2.868	91	-1.421	128	0.025	165	1.471	202	2.918	239	4.364
18	-4.275	55	-2.829	92	-1.382	129	0.064	166	1.510	203	2.957	240	4.405
19	-4.235	56	-2.789	93	-1.343	130	0.103	167	1.549	204	2.996	241	4.442
20	-4.197	57	-2.750	94	-1.304	131	0.142	168	1.589	205	3.035	242	4.481
21	-4.158	58	-2.711	95	-1.265	132	0.181	169	1.628	206	3.074	243	4.520
22	-4.119	59	-2.672	96	-1.226	133	0.220	170	1.667	207	3.113	244	4.559
23	-4.079	60	-2.633	97	-1.187	134	0.259	171	1.706	208	3.152	245	4.598
24	-4.040	61	-2.594	98	-1.148	135	0.299	172	1.745	209	3.191	246	4.637
25	-4.001	62	-2.555	99	-1.109	136	0.338	173	1.784	210	3.230	247	4.677
26	-3.962	63	-2.516	100	-1.070	137	0.377	174	1.823	211	3.269	248	4.716
27	-3.923	64	-2.477	101	-1.030	138	0.416	175	1.862	212	3.308	249	4.755
28	-3.884	65	-2.438	102	-0.991	139	0.455	176	1.901	213	3.348	250	4.794
29	-3.845	66	-2.399	103	-0.952	140	0.494	177	1.940	214	3.387	251	4.833
30	-3.806	67	-2.360	104	-0.913	141	0.533	178	1.979	215	3.426	252	4.872
31	-3.767	68	-2.320	105	-0.874	142	0.572	179	2.018	216	3.465	253	4.911
32	-3.728	69	-2.281	106	-0.835	143	0.611	180	2.058	217	3.504	254	4.950
33	-3.689	70	-2.242	107	-0.796	144	0.650	181	2.097	218	3 543		
34	-3.649	71	-2.203	108	-0.757	145	0 689	182	2.136	219	3.582		
35	-3 610	72	-2.164	109	-0.718	146	0.729	183	2.175	220	3.621		
36	-3.571	73	-2.125	110	-0.679	147	0.768	184	2.214	221	3 660		
37	-3.532	74	-2.086	111	-0.640	148	0.807	185	2.253	222	3 699		



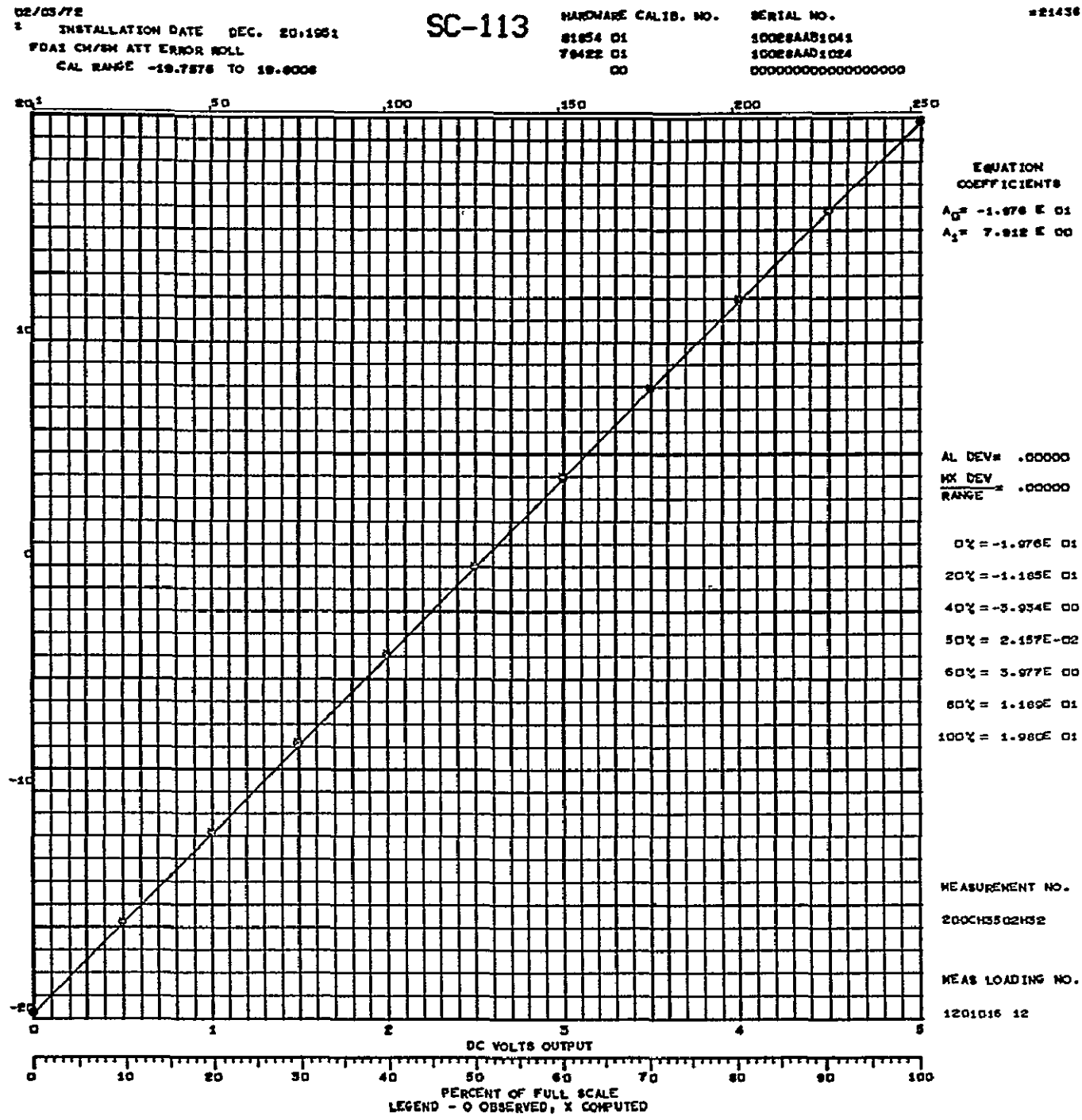
This is a multiple mode measurement. It is two of four options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CH/SM ATT ERROR ROLL

MEASUREMENT NO. 200CH65021H22
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-67.576	38	-41.174	75	-21.628	112	-6.058	149	8.496	186	24.676	223	46.001
2	-66.747	39	-40.568	76	-21.188	113	-5.644	150	8.902	187	25.371	224	46.665
3	-65.925	40	-39.958	77	-20.710	114	-5.252	151	9.309	188	25.670	225	47.335
4	-65.111	41	-39.372	78	-20.255	115	-4.859	152	9.717	189	26.375	226	48.010
5	-64.305	42	-38.782	79	-19.805	116	-4.468	153	10.127	190	26.679	227	48.691
6	-63.502	43	-38.196	80	-19.354	117	-4.076	154	10.538	191	27.399	228	49.378
7	-62.708	44	-37.615	81	-18.907	118	-3.685	155	10.951	192	27.905	229	50.071
8	-61.921	45	-37.058	82	-18.463	119	-3.295	156	11.366	193	28.420	230	50.770
9	-61.140	46	-36.496	83	-18.022	120	-2.908	157	11.782	194	28.942	231	51.475
10	-60.366	47	-35.899	84	-17.582	121	-2.518	158	12.200	195	29.467	232	52.186
11	-59.599	48	-35.336	85	-17.145	122	-2.127	159	12.620	196	29.998	233	52.902
12	-58.838	49	-34.778	86	-16.711	123	-1.738	160	13.042	197	30.530	234	53.625
13	-58.084	50	-34.224	87	-16.279	124	-1.349	161	13.466	198	31.067	235	54.354
14	-57.336	51	-33.674	88	-15.849	125	-0.960	162	13.892	199	31.609	236	55.090
15	-56.595	52	-33.128	89	-15.421	126	-0.571	163	14.320	200	32.154	237	55.832
16	-55.860	53	-32.587	90	-14.996	127	-0.182	164	14.751	201	32.705	238	56.580
17	-55.131	54	-32.050	91	-14.571	128	0.207	165	15.183	202	33.259	239	57.335
18	-54.409	55	-31.517	92	-14.149	129	0.596	166	15.618	203	33.818	240	58.096
19	-53.692	56	-30.988	93	-13.729	130	0.985	167	16.055	204	34.381	241	58 864
20	-52.982	57	-30.463	94	-13.311	131	1.375	168	16.494	205	34.949	242	59.638
21	-52.278	58	-29.942	95	-12.895	132	1.764	169	16.935	206	35.521	243	60.419
22	-51.579	59	-29.425	96	-12.480	133	2.155	170	17.380	207	36.098	244	61.207
23	-50.887	60	-28.911	97	-12.067	134	2.545	171	17.827	208	36.679	245	62.001
24	-50.201	61	-28.402	98	-11.656	135	2.937	172	18.277	209	37.265	246	62.805
25	-49.520	62	-27.896	99	-11.246	136	3.328	173	18.729	210	37.856	247	63.611
26	-48.845	63	-27.395	100	-10.838	137	3.721	174	19.184	211	38.452	248	64.423
27	-48.176	64	-26.895	101	-10.432	138	4.114	175	19 642	212	39.053	249	65.248
28	-47.512	65	-26.399	102	-10.026	139	4.507	176	20.102	213	39 659	250	66.078
29	-46.854	66	-25.906	103	-9.622	140	4.902	177	20.566	214	40 270	251	66.914
30	-46.202	67	-25.419	104	-9 220	141	5.297	178	21.032	215	40.886	252	67.758
31	-45.555	68	-24.934	105	-8.818	142	5.693	179	21.501	216	41.506	253	68 609
32	-44.913	69	-24.452	106	-8.418	143	6.090	180	21.974	217	42.132	254	69.457
33	-44.277	70	-23.974	107	-8.019	144	6.489	181	22.449	218	42.764		
34	-43.646	71	-23.499	108	-7.621	145	6.888	182	22.928	219	43.400		
35	-43.020	72	-23.026	109	-7.224	146	7.288	183	23.410	220	44.042		
36	-42.399	73	-22.557	110	-6.828	147	7.690	184	23.895	221	44.690		
37	-41.784	74	-22.091	111	-6.433	148	8.092	185	24.384	222	45.343		



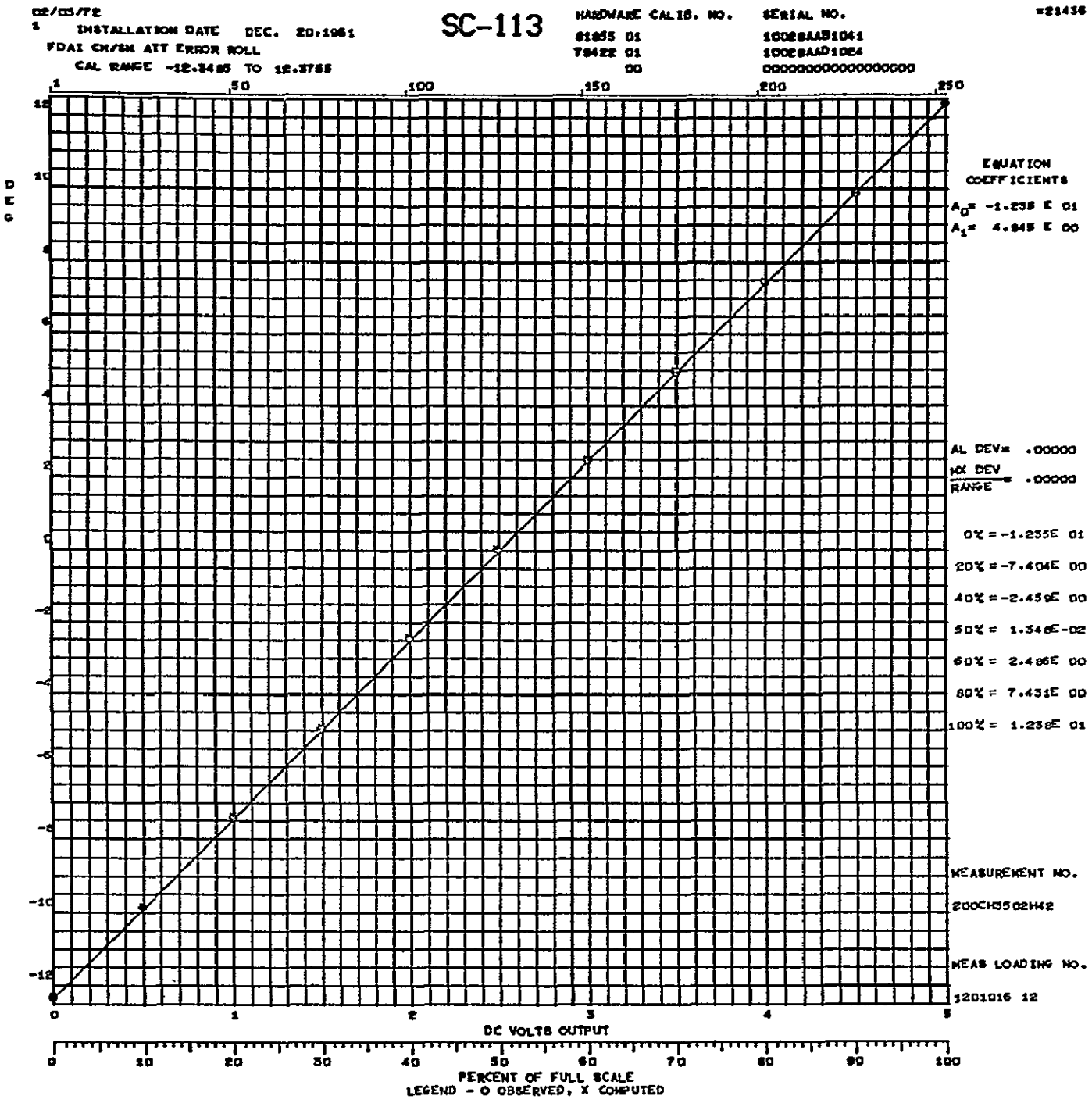
This is a multiple mode measurement. It is three of four options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR ROLL

MEASUREMENT NO. 200CM8502H52
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-19.756	38	-13.972	75	-8.187	112	-2.402	149	3.383	186	9.168	223	14.954
2	-19.601	39	-13.816	76	-8.031	113	-2.246	150	3.540	187	9.325	224	15.110
3	-19.445	40	-13.660	77	-7.874	114	-2.089	151	3.696	188	9.481	225	15.266
4	-19.289	41	-13.505	78	-7.718	115	-1.933	152	3.852	189	9.638	226	15.423
5	-19.132	42	-13.347	79	-7.562	116	-1.777	153	4.009	190	9.794	227	15.579
6	-18.976	43	-13.191	80	-7.405	117	-1.620	154	4.165	191	9.950	228	15.735
7	-18.819	44	-13.034	81	-7.249	118	-1.464	155	4.321	192	10.107	229	15.892
8	-18.663	45	-12.878	82	-7.093	119	-1.307	156	4.478	193	10.263	230	16.048
9	-18.507	46	-12.722	83	-6.936	120	-1.151	157	4.634	194	10.419	231	16.205
10	-18.350	47	-12.565	84	-6.780	121	-0.995	158	4.790	195	10.576	232	16.361
11	-18.194	48	-12.409	85	-6.624	122	-0.838	159	4.947	196	10.732	233	16.517
12	-18.038	49	-12.252	86	-6.467	123	-0.682	160	5.103	197	10.888	234	16.674
13	-17.881	50	-12.096	87	-6.311	124	-0.526	161	5.260	198	11.045	235	16.830
14	-17.725	51	-11.940	88	-6.155	125	-0.369	162	5.416	199	11.201	236	16.986
15	-17.569	52	-11.783	89	-5.998	126	-0.213	163	5.572	200	11.357	237	17.143
16	-17.412	53	-11.627	90	-5.842	127	-0.057	164	5.729	201	11.514	238	17.299
17	-17.256	54	-11.471	91	-5.685	128	0.100	165	5.885	202	11.670	239	17.455
18	-17.100	55	-11.314	92	-5.529	129	0.256	166	6.041	203	11.827	240	17.612
19	-16.943	56	-11.158	93	-5.373	130	0.412	167	6.198	204	11.983	241	17.768
20	-16.787	57	-11.002	94	-5.216	131	0.569	168	6.354	205	12.139	242	17.924
21	-16.630	58	-10 845	95	-5.060	132	0.725	169	6.510	206	12.296	243	18 081
22	-16.474	59	-10.689	96	-4.904	133	0.882	170	6.667	207	12.452	244	18 237
23	-16.318	60	-10.533	97	-4.747	134	1.038	171	6.823	208	12.608	245	18.394
24	-16.161	61	-10.376	98	-4.591	135	1.194	172	6.979	209	12.765	246	18.550
25	-16.005	62	-10.220	99	-4.435	136	1.351	173	7.136	210	12.921	247	18.705
26	-15.849	63	-10.063	100	-4.278	137	1.507	174	7.292	211	13.077	248	18.863
27	-15.692	64	-9.907	101	-4.122	138	1.663	175	7.449	212	13.234	249	19.019
28	-15.536	65	-9.751	102	-3.966	139	1.820	176	7.605	213	13.390	250	19 175
29	-15.380	66	-9.594	103	-3.809	140	1.976	177	7.761	214	13 546	251	19.332
30	-15.223	67	-9.438	104	-3.653	141	2.132	178	7.918	215	13.703	252	19 488
31	-15.067	68	-9.282	105	-3.496	142	2.289	179	8.074	216	13.859	253	19 644
32	-14.911	69	-9.125	106	-3.340	143	2.445	180	8.230	217	14.015	254	19.801
33	-14.754	70	-8.969	107	-3.184	144	2.601	181	8.387	218	14.172		
34	-14.598	71	-8.813	108	-3.027	145	2.758	182	8.543	219	14.328		
35	-14.441	72	-8 656	109	-2 871	146	2.914	183	8 699	220	14.485		
36	-14.285	73	-8.500	110	-2.715	147	3.071	184	8.856	221	14.641		
37	-14.129	74	-8.344	111	-2.558	148	3.227	185	9.012	222	14.797		



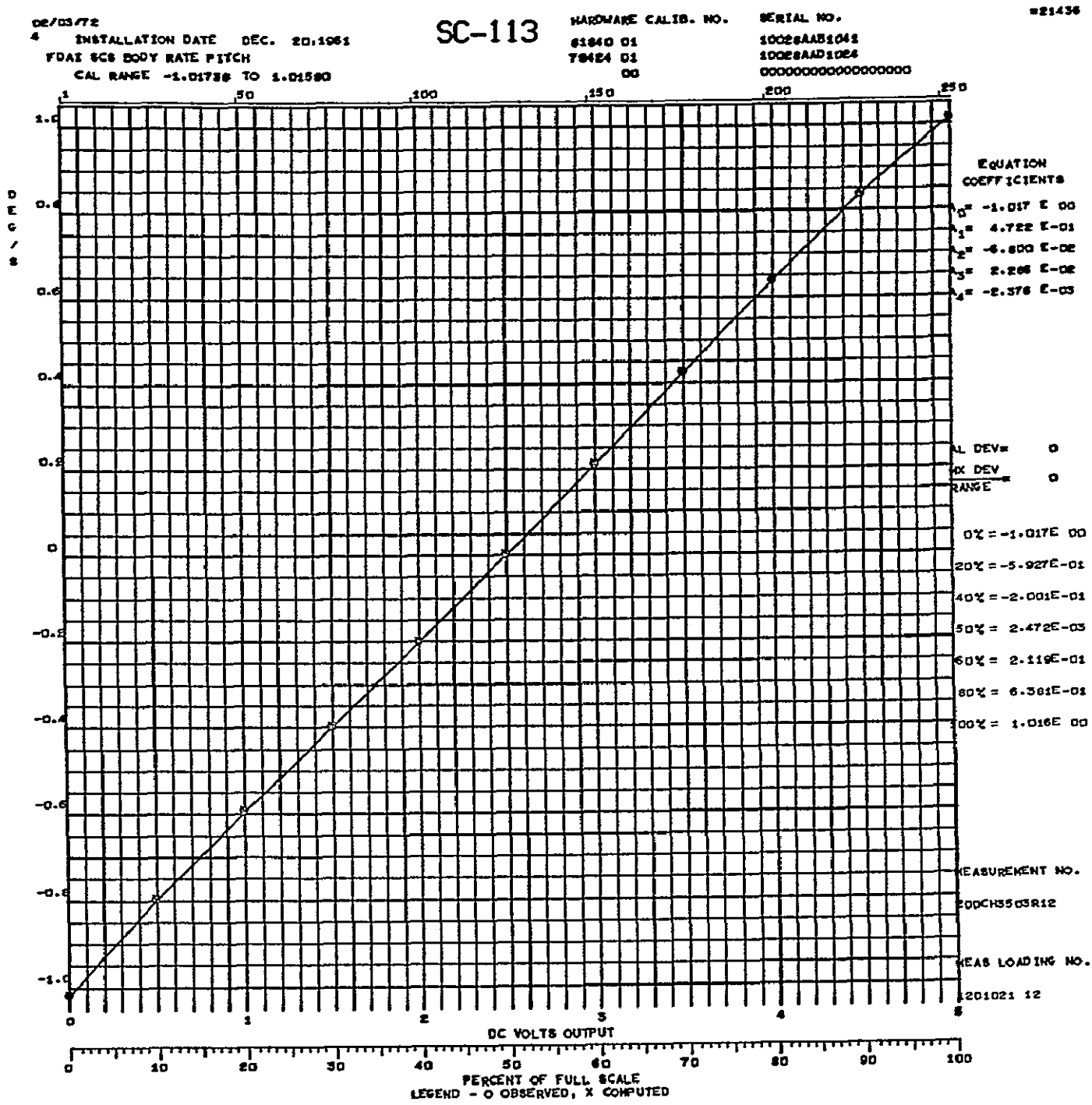
This is a multiple mode measurement. It is four of four options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI CM/SM ATT ERROR ROLL

MEASUREMENT NO. 200CM6502M2
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AA81041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/31

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-12.549	38	-8.753	75	-5.117	112	-1.501	149	2.115	185	5.750	223	9.346
2	-12.251	39	-8.655	76	-5.019	113	-1.404	150	2.212	187	5.828	224	9.444
3	-12.153	40	-8.557	77	-4.922	114	-1.308	151	2.310	188	5.926	225	9.541
4	-12.055	41	-8.440	78	-4.824	115	-1.208	152	2.408	189	6.023	226	9.639
5	-11.958	42	-8.342	79	-4.725	116	-1.110	153	2.505	190	6.121	227	9.737
6	-11.860	43	-8.244	80	-4.628	117	-1.013	154	2.605	191	6.219	228	9.835
7	-11.762	44	-8.146	81	-4.531	118	-0.915	155	2.701	192	6.317	229	9.932
8	-11.664	45	-8.049	82	-4.433	119	-0.817	156	2.799	193	6.414	230	10.030
9	-11.567	46	-7.951	83	-4.335	120	-0.719	157	2.896	194	6.512	231	10.128
10	-11.469	47	-7.853	84	-4.237	121	-0 622	158	2.994	195	6.610	232	10.226
11	-11.371	48	-7.756	85	-4.140	122	-0.524	159	3.092	196	6.708	233	10.323
12	-11.274	49	-7.658	86	-4.042	123	-0.426	160	3.189	197	6.805	234	10.421
13	-11.176	50	-7.560	87	-3.944	124	-0.329	161	3.287	198	6.903	235	10.519
14	-11.078	51	-7.462	88	-3.847	125	-0.231	162	3.385	199	7.001	236	10 616
15	-10.980	52	-7.365	89	-3.749	126	-0.133	163	3.483	200	7.098	237	10 714
16	-10.883	53	-7.267	90	-3.651	127	-0.035	164	3.580	201	7.196	238	10.812
17	-10.785	54	-7.169	91	-3.553	128	0.062	165	3.678	202	7.294	239	10.910
18	-10.687	55	-7.071	92	-3.456	129	0.160	166	3.776	203	7.392	240	11.007
19	-10.589	56	-6.974	93	-3.358	130	0.258	167	3.874	204	7.489	241	11.105
20	-10.492	57	-6.876	94	-3.260	131	0.356	168	3.971	205	7.587	242	11.203
21	-10.394	58	-6.778	95	-3.163	132	0.453	169	4.069	206	7.685	243	11.301
22	-10.296	59	-6.681	96	-3.065	133	0.551	170	4.167	207	7.782	244	11.398
23	-10.199	60	-6.583	97	-2.967	134	0.649	171	4.264	208	7.880	245	11.496
24	-10.101	61	-6.485	98	-2.869	135	0.746	172	4.362	209	7.978	246	11.594
25	-10.003	62	-6.387	99	-2.772	136	0.844	173	4.460	210	8.076	247	11.691
26	-9.905	63	-6.290	100	-2.674	137	0.942	174	4.558	211	8.173	248	11.789
27	-9.808	64	-6.192	101	-2.576	138	1.040	175	4.655	212	8.271	249	11.887
28	-9.710	65	-6.094	102	-2.478	139	1.137	176	4.753	213	8.369	250	11.985
29	-9.612	66	-5.996	103	-2 381	140	1.235	177	4.851	214	8 467	251	12.082
30	-9.515	67	-5.899	104	-2.283	141	1.333	178	4.949	215	8.564	252	12.180
31	-9.417	68	-5.801	105	-2.185	142	1.430	179	5.046	216	8.662	253	12.278
32	-9.319	69	-5.703	106	-2.088	143	1.528	180	5.144	217	8.760	254	12.375
33	-9.221	70	-5.606	107	-1.990	144	1.626	181	5.242	218	8.857		
34	-9.124	71	-5.508	108	-1.892	145	1.724	182	5.339	219	8.955		
35	-9.026	72	-5.410	109	-1.794	146	1.821	183	5.437	220	9.053		
36	-8.928	73	-5.312	110	-1.697	147	1.919	184	5.535	221	9.151		
37	-8.830	74	-5.215	111	-1.599	148	2.017	185	5.633	222	9.248		



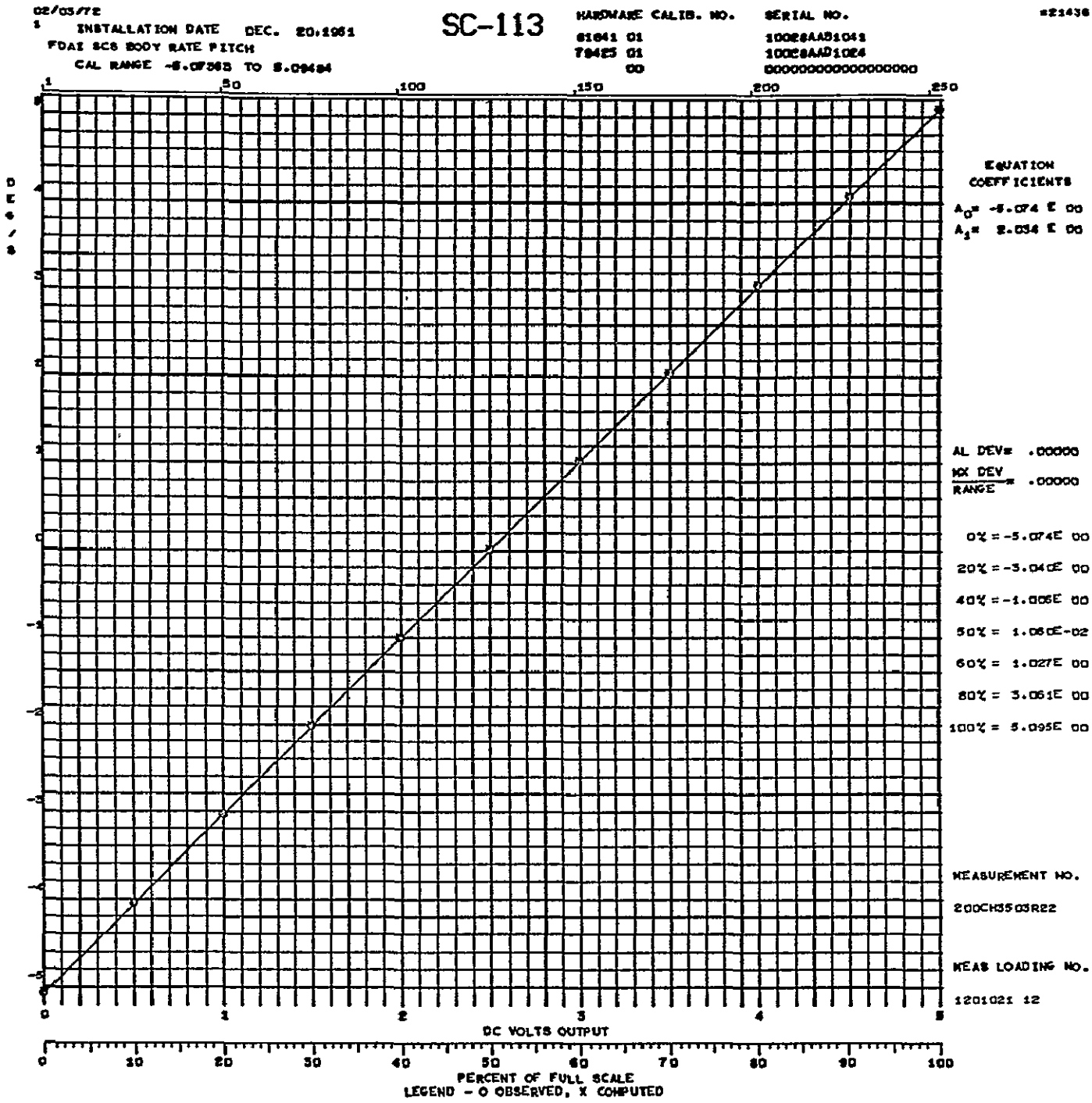
This is a multiple mode measurement. It is one of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH65O5R12
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10026AAB1041
SIGNAL CONDITIONER SERIAL NO. 10026AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-1.017	38	-0.700	75	-0.412	112	-0.122	149	0.160	186	0.495	223	0.795
2	-1.008	39	-0.692	76	-0.404	113	-0.114	150	0.168	187	0.501	224	0.805
3	-0.999	40	-0.684	77	-0.396	114	-0.107	151	0.197	188	0.510	225	0.811
4	-0.990	41	-0.676	78	-0.388	115	-0.098	152	0.205	189	0.518	226	0.819
5	-0.980	42	-0.668	79	-0.381	116	-0.090	153	0.214	190	0.526	227	0.826
6	-0.971	43	-0.660	80	-0.373	117	-0.082	154	0.222	191	0.535	228	0.834
7	-0.962	44	-0.652	81	-0.355	118	-0.074	155	0.230	192	0.543	229	0.841
8	-0.953	45	-0.645	82	-0.358	119	-0.066	156	0.239	193	0.552	230	0.849
9	-0.944	46	-0.637	83	-0.350	120	-0.058	157	0.247	194	0.560	231	0 856
10	-0.935	47	-0 629	84	-0.342	121	-0.050	158	0.256	195	0.568	232	0.864
11	-0.927	48	-0.621	85	-0.334	122	-0.042	159	0.264	196	0.577	233	0.871
12	-0.918	49	-0 613	86	-0.327	123	-0.034	160	0.273	197	0.585	234	0.879
13	-0.909	50	-0 605	87	-0.319	124	-0.026	161	0.281	198	0.593	235	0.886
14	-0.900	51	-0.597	88	-0.311	125	-0.018	162	0.289	199	0.602	236	0.893
15	-0.891	52	-0.590	89	-0.305	126	-0.010	163	0.298	200	0.610	237	0.901
16	-0.885	53	-0.582	90	-0.296	127	-0.002	164	0.305	201	0.618	238	0.908
17	-0.874	54	-0.574	91	-0.288	128	0.007	165	0.315	202	0.627	239	0.915
18	-0.866	55	-0.566	92	-0.280	129	0.015	166	0.323	203	0.635	240	0.922
19	-0.857	56	-0.558	93	-0.272	130	0.023	167	0.332	204	0.643	241	0.929
20	-0.848	57	-0.551	94	-0.264	131	0.031	168	0.340	205	0 651	242	0.936
21	-0.840	58	-0.543	95	-0.257	132	0.039	169	0.349	206	0.659	243	0.943
22	-0.832	59	+0 535	96	-0.249	133	0.047	170	0.357	207	0.668	244	0.950
23	-0.823	60	-0.527	97	-0.241	134	0.056	171	0.366	208	0.676	245	0.957
24	-0.815	61	-0.520	98	-0.233	135	0.064	172	0.374	209	0.684	246	0.964
25	-0.806	62	-0.512	99	-0.225	136	0.072	173	0.383	210	0.692	247	0.970
26	-0.798	63	-0 504	100	-0.217	137	0.080	174	0 391	211	0.700	248	0.977
27	-0.790	64	-0.496	101	-0.210	138	0.089	175	0.400	212	0.708	249	0.984
28	-0.781	65	+0.489	102	-0.202	139	0.097	176	0.408	213	0.716	250	0.990
29	-0.773	66	-0.481	103	-0.194	140	0.105	177	0.416	214	0.724	251	0.997
30	-0.765	67	-0.473	104	-0.186	141	0.113	178	0.425	215	0.732	252	1.005
31	-0.757	68	-0.466	105	-0.178	142	0.122	179	0 433	216	0 740	253	1.009
32	-0.749	69	-0.458	106	-0.170	143	0.130	180	0.442	217	0.748	254	1.016
33	-0.741	70	-0.450	107	-0.162	144	0.138	181	0 450	218	0 756		
34	-0.732	71	-0.442	108	-0.154	145	0.147	182	0.459	219	0.764		
35	-0.724	72	-0.435	109	-0.146	146	0.155	183	0.467	220	0.772		
36	-0.716	73	-0.427	110	-0.138	147	0.163	184	0 476	221	0.780		
37	-0.708	74	-0 419	111	-0.130	148	0.172	185	0.484	222	0.788		



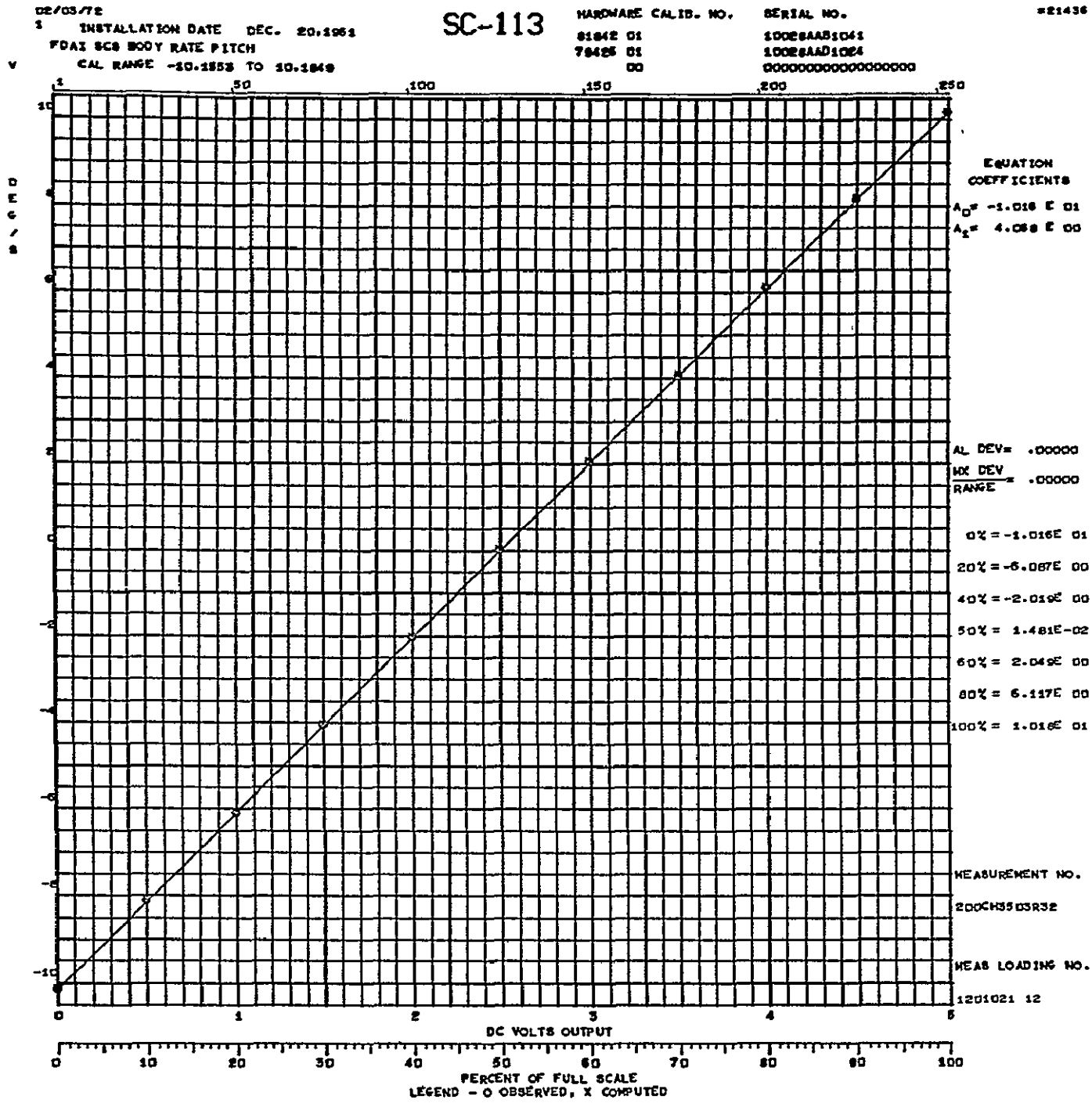
This is a multiple mode measurement. It is two of six options. See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH55C5R22
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-5.074	38	-3.587	75	-2.099	112	-0.612	149	0.875	186	2.362	223	3.849
2	-5.055	39	-3.546	76	-2.059	113	-0.572	150	0.915	187	2.402	224	3.889
3	-4.995	40	-3.506	77	-2.019	114	-0.532	151	0.955	188	2.442	225	3.929
4	-4.955	41	-3.466	78	-1.979	115	-0.492	152	0.995	189	2.482	226	3.969
5	-4.915	42	-3.426	79	-1.939	116	-0.452	153	1.035	190	2.523	227	4.010
6	-4.875	43	-3.386	80	-1.898	117	-0.411	154	1.076	191	2.563	228	4.050
7	-4.832	44	-3.345	81	-1.858	118	-0.371	155	1.116	192	2.603	229	4.090
8	-4.792	45	-3.305	82	-1.818	119	-0.331	156	1.156	193	2.643	230	4.130
9	-4.752	46	-3.265	83	-1.778	120	-0.291	157	1.195	194	2.683	231	4.170
10	-4.712	47	-3.225	84	-1.738	121	-0.251	158	1.236	195	2.724	232	4.211
11	-4.672	48	-3.185	85	-1.698	122	-0.210	159	1.277	196	2.764	233	4.251
12	-4.632	49	-3.144	86	-1.657	123	-0.170	160	1.317	197	2.804	234	4.291
13	-4.591	50	-3.104	87	-1.617	124	-0.130	161	1.357	198	2.844	235	4.331
14	-4.551	51	-3.064	88	-1.577	125	-0.090	162	1.397	199	2.884	236	4.371
15	-4.511	52	-3.024	89	-1.537	126	-0.050	163	1.437	200	2.924	237	4.412
16	-4.471	53	-2.984	90	-1.497	127	-0.009	164	1.478	201	2.965	238	4.452
17	-4.431	54	-2.943	91	-1.456	128	0.031	165	1.518	202	3.005	239	4.492
18	-4.390	55	-2.903	92	-1.416	129	0.071	166	1.558	203	3.045	240	4.532
19	-4.350	56	-2.863	93	-1.376	130	0.111	167	1.598	204	3.085	241	4.572
20	-4.310	57	-2.823	94	-1.336	131	0.151	168	1.638	205	3.125	242	4.613
21	-4.270	58	-2.783	95	-1.296	132	0.191	169	1.679	206	3.166	243	4.653
22	-4.230	59	-2.743	96	-1.255	133	0.232	170	1.719	207	3.206	244	4.693
23	-4.189	60	-2.702	97	-1.215	134	0.272	171	1.759	208	3.246	245	4.733
24	-4.149	61	-2.662	98	-1.175	135	0.312	172	1.799	209	3.286	246	4.773
25	-4.109	62	-2.622	99	-1.135	136	0.352	173	1.839	210	3.326	247	4.813
26	-4.069	63	-2.582	100	-1.095	137	0.392	174	1.880	211	3.367	248	4.854
27	-4.029	64	-2.542	101	-1.054	138	0.433	175	1.920	212	3.407	249	4.894
28	-3.988	65	-2.501	102	-1.014	139	0.473	176	1.960	213	3.447	250	4.934
29	-3.948	66	-2.461	103	-0.974	140	0.513	177	2.000	214	3.487	251	4.974
30	-3.908	67	-2.421	104	-0.934	141	0.553	178	2.040	215	3.527	252	5.014
31	-3.868	68	-2.381	105	-0.894	142	0 593	179	2.080	216	3.568	253	5.055
32	-3.828	69	-2.341	106	-0.854	143	0.634	180	2.121	217	3.608	254	5.095
33	-3.788	70	-2.300	107	-0.813	144	0 674	181	2.161	218	3.648		
34	-3.747	71	-2.260	108	-0.773	145	0.714	182	2.201	219	3.688		
35	-3.707	72	-2.220	109	-0.733	146	0.754	183	2.241	220	3.728		
36	-3.667	73	-2.180	110	-0.693	147	0.794	184	2.281	221	3.769		
37	-3.627	74	-2.140	111	-0.653	148	0.835	185	2.322	222	3.809		



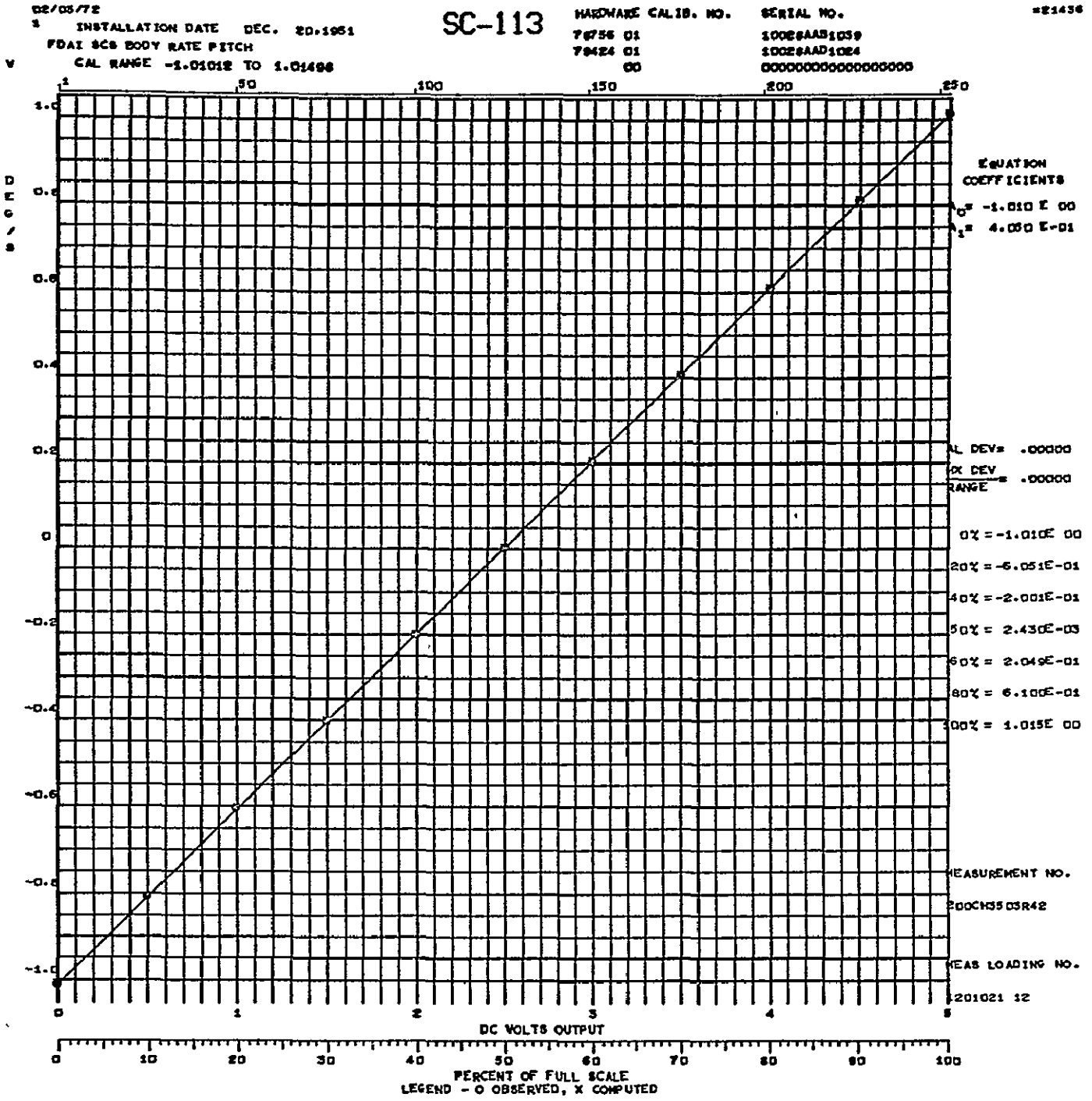
This is a multiple mode measurement. It is three of six options. See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH505R32
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AA01024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-10.155	38	-7.181	75	-4.206	112	-1.231	149	1.743	186	4.718	223	7.693
2	-10.075	39	-7.100	76	-4.126	113	-1.151	150	1.824	187	4.798	224	7.773
3	-9.994	40	-7.020	77	-4.045	114	-1.071	151	1.904	188	4.879	225	7.853
4	-9.914	41	-6.939	78	-3.965	115	-0.990	152	1.985	189	4.959	226	7.934
5	-9.834	42	-6.859	79	-3.884	116	-0.910	153	2.065	190	5.040	227	8.014
6	-9.753	43	-6.779	80	-3.804	117	-0.829	154	2.145	191	5.120	228	8.095
7	-9.673	44	-6.698	81	-3.724	118	-0.749	155	2.226	192	5.200	229	8.175
8	-9.593	45	-6.618	82	-3 643	119	-0.669	156	2.306	193	5.281	230	8.255
9	-9.512	46	-6.537	83	-3.563	120	-0.588	157	2.386	194	5.361	231	8.336
10	-9.432	47	-6.457	84	-3 482	121	-0.508	158	2.467	195	5.442	232	8.416
11	-9.351	48	-6.377	85	-3.402	122	-0.427	159	2.547	196	5.522	233	8.497
12	-9.271	49	-6.296	86	-3.322	123	-0.347	160	2.628	197	5.602	234	8.577
13	-9.191	50	-6.216	87	-3.241	124	-0.267	161	2.708	198	5.683	235	8.657
14	-9.110	51	-6.135	88	-3.161	125	-0.186	162	2.788	199	5.763	236	8.738
15	-9.030	52	-6.055	89	-3.080	126	-0.106	163	2.869	200	5.844	237	8.818
16	-8.949	53	-5.975	90	-3.000	127	-0.025	164	2.949	201	5.924	238	8.899
17	-8.869	54	-5.894	91	-2.920	128	0.055	165	3.030	202	6.004	239	8.979
18	-8.789	55	-5.814	92	-2.839	129	0.135	166	3.110	203	6.085	240	9.059
19	-8.708	56	-5.734	93	-2.759	130	0.216	167	3.190	204	6.165	241	9.140
20	-8.628	57	-5.653	94	-2.678	131	0.296	168	3.271	205	6.246	242	9 220
21	-8.547	58	-5.573	95	-2.598	132	0.377	169	3.351	206	6.326	243	9 301
22	-8.467	59	-5.492	96	-2 518	133	0.457	170	3.432	207	6.406	244	9.381
23	-8.387	60	-5.412	97	-2.437	134	0.537	171	3.512	208	6.487	245	9.461
24	-8.306	61	-5.332	98	-2.357	135	0.618	172	3.592	209	6.567	246	9.542
25	-8.226	62	-5.251	99	-2.276	136	0.698	173	3.673	210	6 647	247	9.622
26	-8.145	63	-5.171	100	-2.196	137	0.779	174	3.753	211	6.728	248	9.703
27	-8.065	64	-5.090	101	-2.116	138	0.859	175	3.834	212	6.808	249	9.783
28	-7.985	65	-5.010	102	-2.035	139	0.939	176	3.914	213	6.889	250	9.863
29	-7.904	66	-4.930	103	-1.955	140	1.020	177	3.994	214	6.969	251	9.944
30	-7.824	67	-4.849	104	-1.874	141	1.100	178	4.075	215	7.049	252	10.024
31	-7.743	68	-4.769	105	-1.794	142	1.181	179	4.155	216	7.130	253	10.105
32	-7.663	69	-4.688	106	-1.714	143	1.261	180	4.236	217	7.210	254	10.185
33	-7.583	70	-4.608	107	-1.633	144	1.341	181	4.316	218	7.291		
34	-7.502	71	-4.528	108	-1.553	145	1.422	182	4.396	219	7.371		
35	-7.422	72	-4.447	109	-1.473	146	1.502	183	4.477	220	7.451		
36	-7.341	73	-4.367	110	-1.392	147	1.583	184	4.557	221	7.532		
37	-7.261	74	-4.286	111	-1.312	148	1.663	185	4.638	222	7.612		



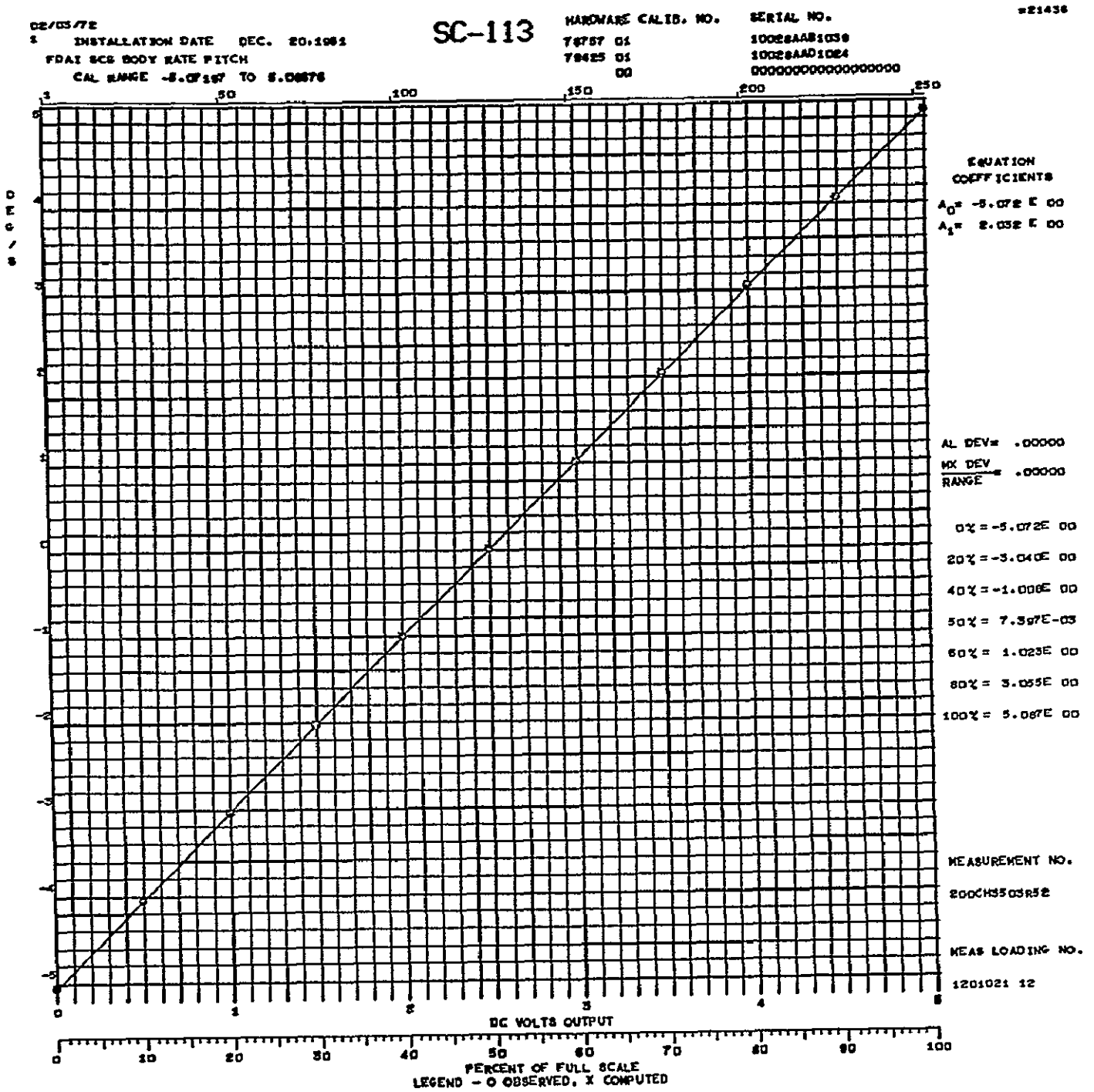
This is a multiple mode measurement. It is four of six options. See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH5505R42
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-1.010	38	-0 714	75	-0.418	112	-0.122	149	0.175	186	0.471	223	0.767
2	-1.002	39	-0 706	76	-0.410	113	-0.114	150	0.183	187	0.479	224	0.775
3	-0.994	40	-0 698	77	-0.402	114	-0.105	151	0.191	188	0.487	225	0.783
4	-0.986	41	-0.690	78	-0.394	115	-0.098	152	0.199	189	0.495	226	0.791
5	-0.978	42	-0.682	79	-0.386	116	-0.090	153	0.207	190	0.503	227	0.799
6	-0.970	43	-0 674	80	-0.378	117	-0.082	154	0.215	191	0.511	228	0.807
7	-0.962	44	-0.666	81	-0.370	118	-0.074	155	0.223	192	0.519	229	0.815
8	-0.954	45	-0.658	82	-0.362	119	-0.066	156	0.231	193	0.527	230	0.823
9	-0.946	46	-0.650	83	-0.354	120	-0.058	157	0.239	194	0.535	231	0 831
10	-0.938	47	-0.642	84	-0.346	121	-0.050	158	0.247	195	0.543	232	0.839
11	-0.930	48	-0.634	85	-0.338	122	-0.042	159	0.255	196	0.551	233	0.847
12	-0.922	49	-0.626	86	-0.330	123	-0.034	160	0.263	197	0.559	234	0.855
13	-0.914	50	-0.618	87	-0.322	124	-0.026	161	0.271	198	0.567	235	0.863
14	-0.906	51	-0.610	88	-0.314	125	-0.018	162	0.279	199	0.575	236	0.871
15	-0.898	52	-0.602	89	-0.306	126	-0.010	163	0.287	200	0.583	237	0.879
16	-0.890	53	-0.594	90	-0.298	127	-0.002	164	0.295	201	0 591	238	0.887
17	-0.882	54	-0.586	91	-0.290	128	0.006	165	0.303	202	0.599	239	0.895
18	-0.874	55	-0.578	92	-0.282	129	0.014	166	0.311	203	0 607	240	0.903
19	-0.866	56	-0.570	93	-0.274	130	0.022	167	0.319	204	0.615	241	0.911
20	-0.858	57	-0.562	94	-0.266	131	0.030	168	0.327	205	0.623	242	0 919
21	-0.850	58	-0 554	95	-0.258	132	0.038	169	0.335	206	0.631	243	0 927
22	-0.842	59	-0.546	96	-0.250	133	0.046	170	0.343	207	0.639	244	0.935
23	-0.834	60	-0.538	97	-0.242	134	0.054	171	0.351	208	0.647	245	0.943
24	-0.826	61	-0.530	98	-0.234	135	0.062	172	0.359	209	0 655	246	0.951
25	-0.818	62	-0.522	99	-0.226	136	0.070	173	0.367	210	0 663	247	0.959
26	-0.810	63	-0.514	100	-0.218	137	0.078	174	0.375	211	0.671	248	0.967
27	-0.802	64	-0.506	101	-0.210	138	0.086	175	0.383	212	0.679	249	0.975
28	-0.794	65	-0.498	102	-0.202	139	0.094	176	0.391	213	0.687	250	0.983
29	-0.786	66	-0.490	103	-0.194	140	0.102	177	0 399	214	0.695	251	0 991
30	-0.778	67	-0.482	104	-0.186	141	0.110	178	0.407	215	0 703	252	0.999
31	-0.770	68	-0.474	105	-0.178	142	0.118	179	0 415	216	0.711	253	1.007
32	-0.762	69	-0.466	106	-0.170	143	0.126	180	0 423	217	0 719	254	1.015
33	-0.754	70	-0.458	107	-0.162	144	0.135	181	0 431	218	0 727		
34	-0.746	71	-0.450	108	-0.154	145	0.143	182	0.439	219	0.735		
35	-0.738	72	-0 442	109	-0.146	146	0.151	183	0.447	220	0 743		
36	-0.730	73	-0.434	110	-0.138	147	0.159	184	0 455	221	0 751		
37	-0.722	74	-0.426	111	-0.130	148	0.167	185	0 463	222	0 759		



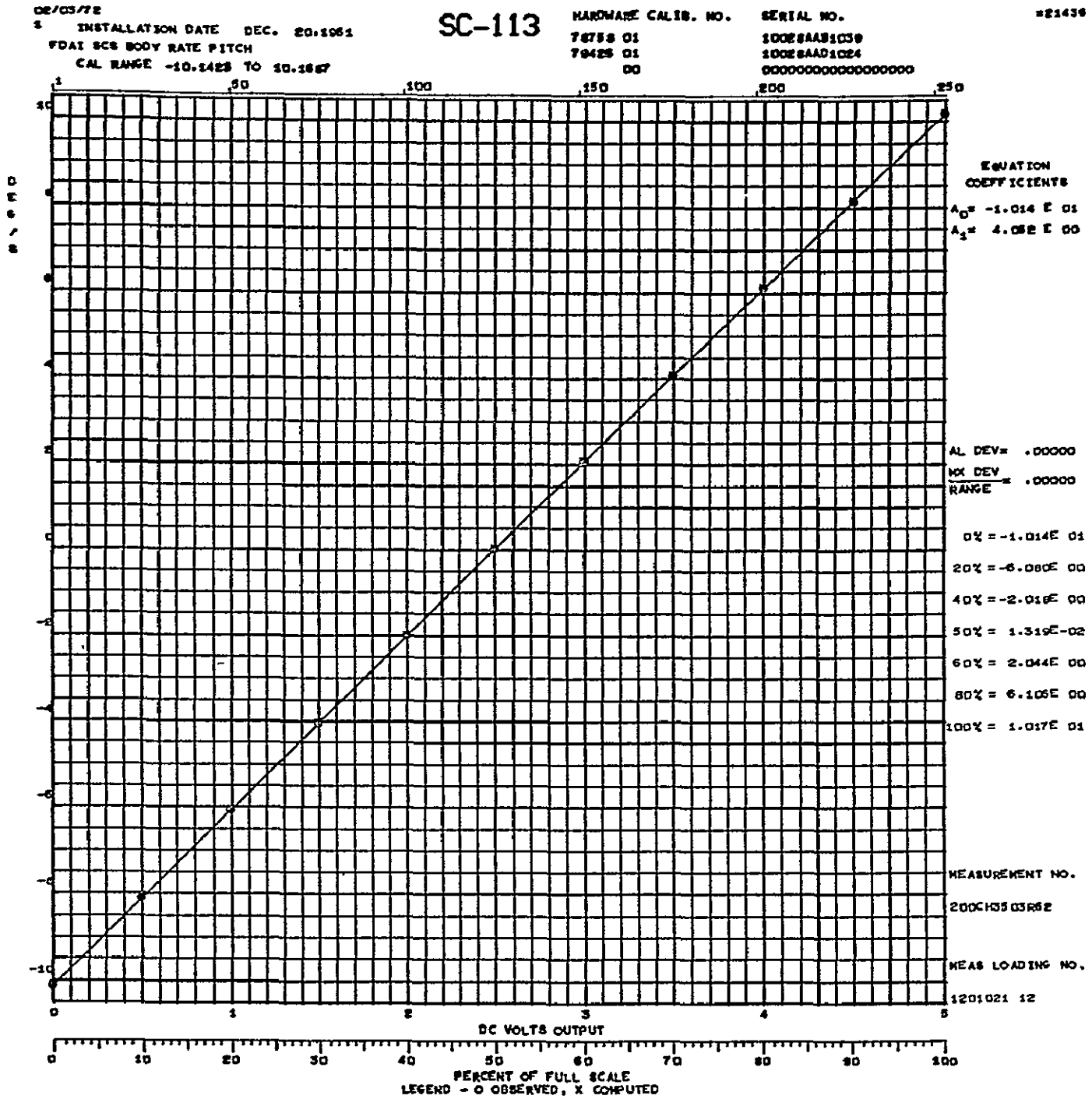
This is a multiple mode measurement. It is five of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SC8 BODY RATE PITCH

MEASUREMENT NO. 200CH55C8R52
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028AAC1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-5.072	38	-3.586	75	-2.101	112	-0.615	149	0.871	185	2.356	223	3.842
2	-5.052	39	-3.546	76	-2.050	113	-0.575	150	0.911	187	2.397	224	3.882
3	-4.992	40	-3.505	77	-2.020	114	-0.536	151	0.951	188	2.437	225	3.922
4	-4.952	41	-3.466	78	-1.980	115	-0.496	152	0.991	189	2.477	226	3.962
5	-4.911	42	-3.426	79	-1.940	116	-0.454	153	1.031	190	2.517	227	4.005
6	-4.871	43	-3.385	80	-1.900	117	-0.414	154	1.071	191	2.557	228	4.045
7	-4.851	44	-3.345	81	-1.860	118	-0.374	155	1.112	192	2.597	229	4.085
8	-4.791	45	-3.305	82	-1.820	119	-0.334	156	1.152	193	2.637	230	4.125
9	-4.751	46	-3.265	83	-1.779	120	-0.294	157	1.192	194	2.678	231	4.165
10	-4.711	47	-3.225	84	-1.739	121	-0.254	158	1.232	195	2.718	232	4.205
11	-4.670	48	-3.185	85	-1.699	122	-0.213	159	1.272	196	2.758	233	4.244
12	-4.630	49	-3.145	86	-1.659	123	-0.173	160	1.312	197	2.798	234	4.284
13	-4.590	50	-3.104	87	-1.619	124	-0.133	161	1.353	198	2.838	235	4.324
14	-4.550	51	-3.064	88	-1.579	125	-0.093	162	1.393	199	2.878	236	4.364
15	-4.510	52	-3.024	89	-1.538	126	-0.053	163	1.433	200	2.918	237	4.404
16	-4.470	53	-2.984	90	-1.498	127	-0.013	164	1.473	201	2.959	238	4.444
17	-4.430	54	-2.944	91	-1.458	128	0.027	165	1.513	202	2.999	239	4.484
18	-4.389	55	-2.904	92	-1.418	129	0 058	166	1.553	203	3.039	240	4.525
19	-4.349	56	-2.864	93	-1.378	130	0.108	167	1.593	204	3.079	241	4.565
20	-4.309	57	-2.823	94	-1.338	131	0.148	168	1.634	205	3.119	242	4.605
21	-4.269	58	-2.783	95	-1.298	132	0.188	169	1.674	206	3.159	243	4.645
22	-4.229	59	-2.743	96	-1.257	133	0.228	170	1.714	207	3.200	244	4.686
23	-4.189	60	-2.703	97	-1.217	134	0.268	171	1.754	208	3.240	245	4.725
24	-4.148	61	-2.663	98	-1.177	135	0.309	172	1.794	209	3.280	246	4.766
25	-4.108	62	-2.623	99	-1.137	136	0.349	173	1.834	210	3.320	247	4.805
26	-4.068	63	-2.582	100	-1.097	137	0.389	174	1.875	211	3.360	248	4.846
27	-4.028	64	-2.542	101	-1.057	138	0.429	175	1.915	212	3.400	249	4.885
28	-3.988	65	-2.502	102	-1.017	139	0.469	176	1.955	213	3.440	250	4.926
29	-3.948	66	-2.462	103	-0.976	140	0.509	177	1.995	214	3.481	251	4.966
30	-3.908	67	-2.422	104	-0.936	141	0.549	178	2.035	215	3.521	252	5.006
31	-3.867	68	-2.382	105	-0.896	142	0.590	179	2.075	216	3.561	253	5.047
32	-3.827	69	-2.342	106	-0.856	143	0 630	180	2.115	217	3.601	254	5.087
33	-3.787	70	-2.301	107	-0.816	144	0.670	181	2.156	218	3.641		
34	-3.747	71	-2.261	108	-0.776	145	0.710	182	2.196	219	3.681		
35	-3.707	72	-2.221	109	-0.735	146	0.750	183	2.236	220	3.722		
36	-3.667	73	-2.181	110	-0.695	147	0 790	184	2.276	221	3.762		
37	-3.626	74	-2.141	111	-0.655	148	0 831	185	2.316	222	3.802		



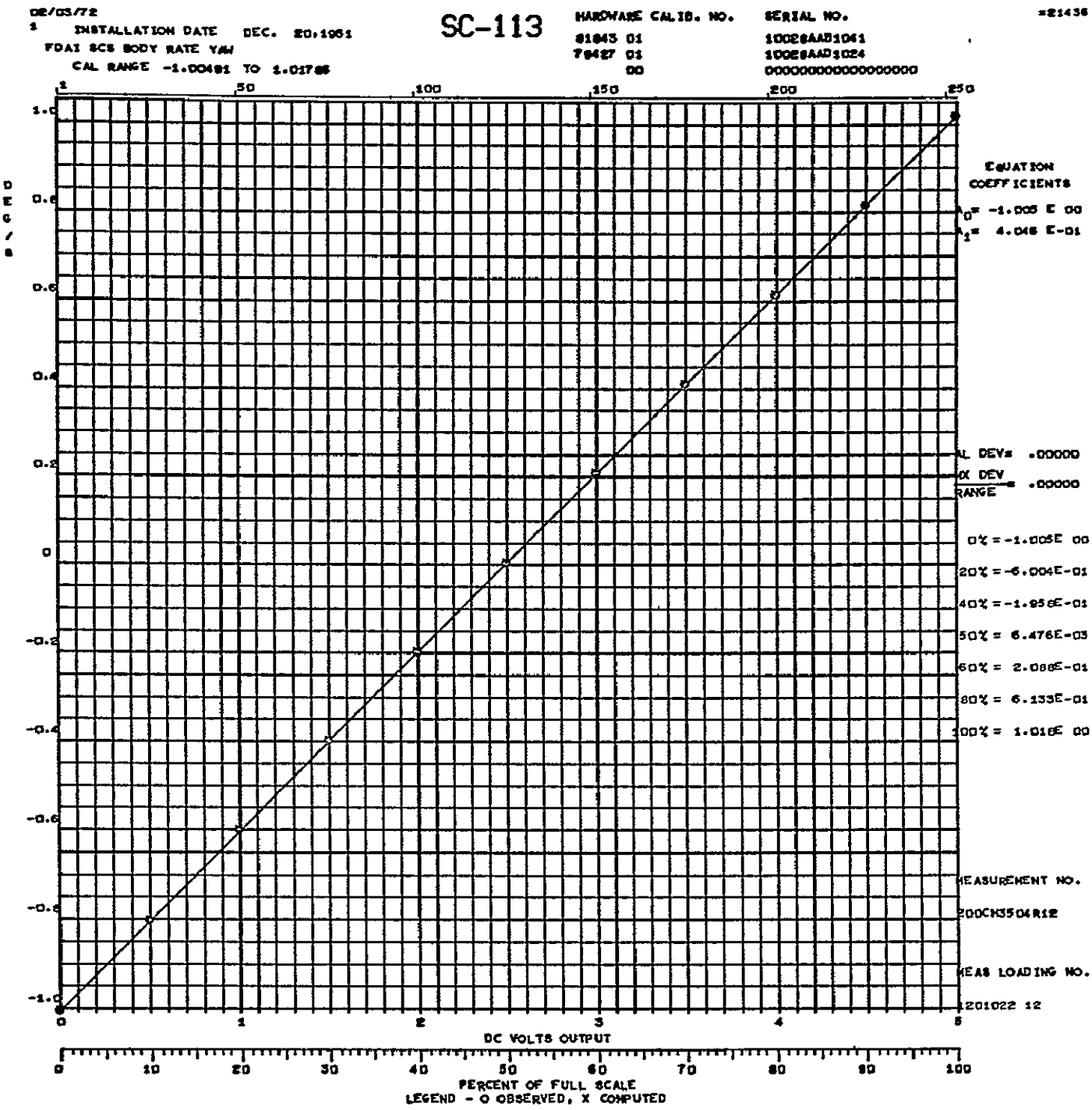
This is a multiple mode measurement. It is six of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE PITCH

MEASUREMENT NO. 200CH55C5R52
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1059
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-10.142	38	-7.172	75	-4.202	112	-1.231	149	1.739	185	4.710	223	7.680
2	-10.052	39	-7.092	76	-4.121	113	-1.151	150	1.820	187	4.790	224	7.760
3	-9.982	40	-7.011	77	-4.041	114	-1.071	151	1.900	188	4.870	225	7.841
4	-9.901	41	-6.931	78	-3.961	115	-0.990	152	1.980	189	4.950	226	7.921
5	-9.821	42	-6.851	79	-3.880	116	-0.910	153	2.060	190	5.031	227	8.001
6	-9.741	43	-6.771	80	-3.800	117	-0.830	154	2.141	191	5.111	228	8.081
7	-9.661	44	-6.690	81	-3.720	118	-0.749	155	2.221	192	5.191	229	8.162
8	-9.580	45	-6.610	82	-3.640	119	-0 669	156	2.301	193	5.272	230	8.242
9	-9.500	46	-6.530	83	-3.559	120	-0.589	157	2.381	194	5.352	231	8.322
10	-9.420	47	-6.449	84	-3.479	121	-0.509	158	2.462	195	5.432	232	8 402
11	-9.339	48	-6.369	85	-3.399	122	-0.428	159	2.542	196	5.512	233	8 483
12	-9.259	49	-6.289	86	-3.318	123	-0.348	160	2.622	197	5.593	234	8.563
13	-9.179	50	-6.209	87	-3.238	124	-0.268	161	2.702	198	5.673	235	8.643
14	-9.099	51	-6.128	88	-3.158	125	-0.188	162	2.783	199	5.753	236	8.724
15	-9.018	52	-6.048	89	-3.078	126	-0.107	163	2.863	200	5.834	237	8.804
16	-8.958	53	-5.968	90	-2.997	127	-0.027	164	2.943	201	5.914	238	8.884
17	-8.858	54	-5.887	91	-2.917	128	0.053	165	3.024	202	5.994	239	8.964
18	-8.778	55	-5.807	92	-2.837	129	0.134	166	3.104	203	6.074	240	9 045
19	-8.697	56	-5.727	93	-2.756	130	0.214	167	3.184	204	6.155	241	9.125
20	-8.617	57	-5.647	94	-2 676	131	0.294	168	3.265	205	6.235	242	9.205
21	-8.537	58	-5.566	95	-2.596	132	0.374	169	3.345	206	6.315	243	9.285
22	-8.456	59	-5.486	96	-2.516	133	0.455	170	3.425	207	6.395	244	9.366
23	-8.376	60	-5.406	97	-2.435	134	0.535	171	3.505	208	6.476	245	9.446
24	-8.296	61	-5.325	98	-2.355	135	0.615	172	3.586	209	6.556	246	9.526
25	-8.216	62	-5.245	99	-2.275	136	0.696	173	3.666	210	6.636	247	9.607
26	-8.135	63	-5.165	100	-2.195	137	0.776	174	3.746	211	6.717	248	9.687
27	-8.055	64	-5.085	101	-2.114	138	0.856	175	3.827	212	6.797	249	9.767
28	-7.975	65	-5.004	102	-2.034	139	0.936	176	3.907	213	6.877	250	9.848
29	-7.894	66	-4.924	103	-1.954	140	1.017	177	3.987	214	6.957	251	9.928
30	-7.814	67	-4.844	104	-1.873	141	1.097	178	4.067	215	7.038	252	10.008
31	-7.734	68	-4.763	105	-1.793	142	1.177	179	4.148	216	7.118	253	10.088
32	-7.654	69	-4.683	106	-1.713	143	1.258	180	4.228	217	7.198	254	10.169
33	-7.573	70	-4.603	107	-1.633	144	1.338	181	4.308	218	7.279		
34	-7.493	71	-4.523	108	-1.552	145	1.418	182	4.388	219	7.359		
35	-7.413	72	-4.442	109	-1.472	146	1.498	183	4.469	220	7.439		
36	-7.332	73	-4.362	110	-1.392	147	1.579	184	4.549	221	7.519		
37	-7.252	74	-4.282	111	-1.311	148	1.659	185	4.629	222	7.600		



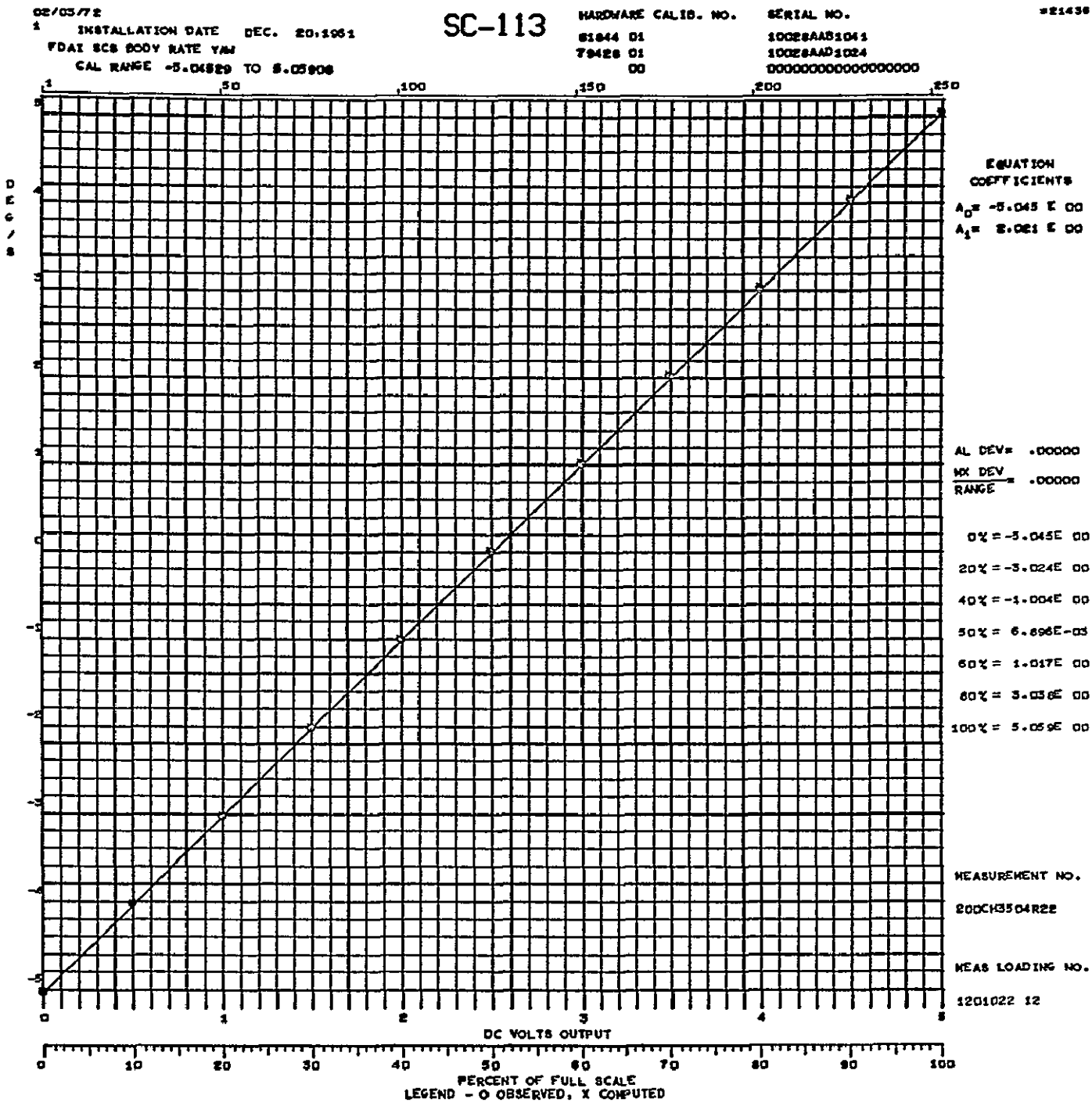
This is a multiple mode measurement. It is one of six options. See FDIA event correlation on page 4-5.

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE Y&W

MEASUREMENT NO. 200CH550XR12
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-1.005	38	-0.709	75	-0.413	112	-0.117	149	0.178	186	0.474	223	0.770
2	-0.997	39	-0.701	76	-0.405	113	-0.109	150	0.186	187	0.482	224	0.778
3	-0.989	40	-0.693	77	-0.397	114	-0.101	151	0.194	188	0.490	225	0.786
4	-0.981	41	-0.685	78	-0.389	115	-0.093	152	0.202	189	0.498	226	0.794
5	-0.973	42	-0.677	79	-0.381	116	-0.085	153	0.210	190	0.506	227	0.802
6	-0.965	43	-0.669	80	-0.373	117	-0.077	154	0.218	191	0.514	228	0.810
7	-0.957	44	-0.661	81	-0.365	118	-0.069	155	0.226	192	0.522	229	0.818
8	-0.949	45	-0.653	82	-0.357	119	-0.061	156	0.234	193	0.530	230	0.826
9	-0.941	46	-0.645	83	-0.349	120	-0.053	157	0.242	194	0.538	231	0.834
10	-0.933	47	-0.637	84	-0.341	121	-0.045	158	0.250	195	0.546	232	0.842
11	-0.925	48	-0.629	85	-0.333	122	-0.037	159	0.258	196	0.554	233	0.850
12	-0.917	49	-0.621	86	-0.325	123	-0.030	160	0.266	197	0.562	234	0.858
13	-0.909	50	-0.613	87	-0.317	124	-0.022	161	0.274	198	0.570	235	0.866
14	-0.901	51	-0.605	88	-0.309	125	-0.014	162	0.282	199	0.578	236	0.874
15	-0.893	52	-0.597	89	-0.301	126	-0.006	163	0.290	200	0.585	237	0.882
16	-0.885	53	-0.589	90	-0.293	127	0.002	164	0.298	201	0.594	238	0.890
17	-0.877	54	-0.581	91	-0.285	128	0.010	165	0.305	202	0.602	239	0.898
18	-0.869	55	-0.573	92	-0.277	129	0.018	166	0.314	203	0.610	240	0.905
19	-0.861	56	-0.565	93	-0.269	130	0.026	167	0.322	204	0.618	241	0.914
20	-0.853	57	-0.557	94	-0.261	131	0.034	168	0.330	205	0.626	242	0.922
21	-0.845	58	-0.549	95	-0.253	132	0.042	169	0.338	206	0.634	243	0.930
22	-0.837	59	-0.541	96	-0.245	133	0.050	170	0.346	207	0.642	244	0.938
23	-0.829	60	-0.533	97	-0.237	134	0.058	171	0.354	208	0.650	245	0.946
24	-0.821	61	-0.525	98	-0.229	135	0.066	172	0.362	209	0.658	246	0.954
25	-0.813	62	-0.517	99	-0.221	136	0.074	173	0.370	210	0.666	247	0.962
26	-0.805	63	-0.509	100	-0.213	137	0.082	174	0.378	211	0.674	248	0.970
27	-0.797	64	-0.501	101	-0.205	138	0.090	175	0.386	212	0.682	249	0.978
28	-0.789	65	-0.493	102	-0.197	139	0.098	176	0.394	213	0.690	250	0.986
29	-0.781	66	-0.485	103	-0.189	140	0.105	177	0.402	214	0.698	251	0.994
30	-0.773	67	-0.477	104	-0.181	141	0.114	178	0.410	215	0.705	252	1.002
31	-0.765	68	-0.469	105	-0.173	142	0.122	179	0.418	216	0.714	253	1.010
32	-0.757	69	-0.461	106	-0.165	143	0.130	180	0.425	217	0.722	254	1.018
33	-0.749	70	-0.453	107	-0.157	144	0.138	181	0.434	218	0.730		
34	-0.741	71	-0.445	108	-0.149	145	0.146	182	0.442	219	0.738		
35	-0.733	72	-0.437	109	-0.141	146	0.154	183	0.450	220	0.746		
36	-0.725	73	-0.429	110	-0.133	147	0.162	184	0.458	221	0.754		
37	-0.717	74	-0.421	111	-0.125	148	0.170	185	0.466	222	0.762		



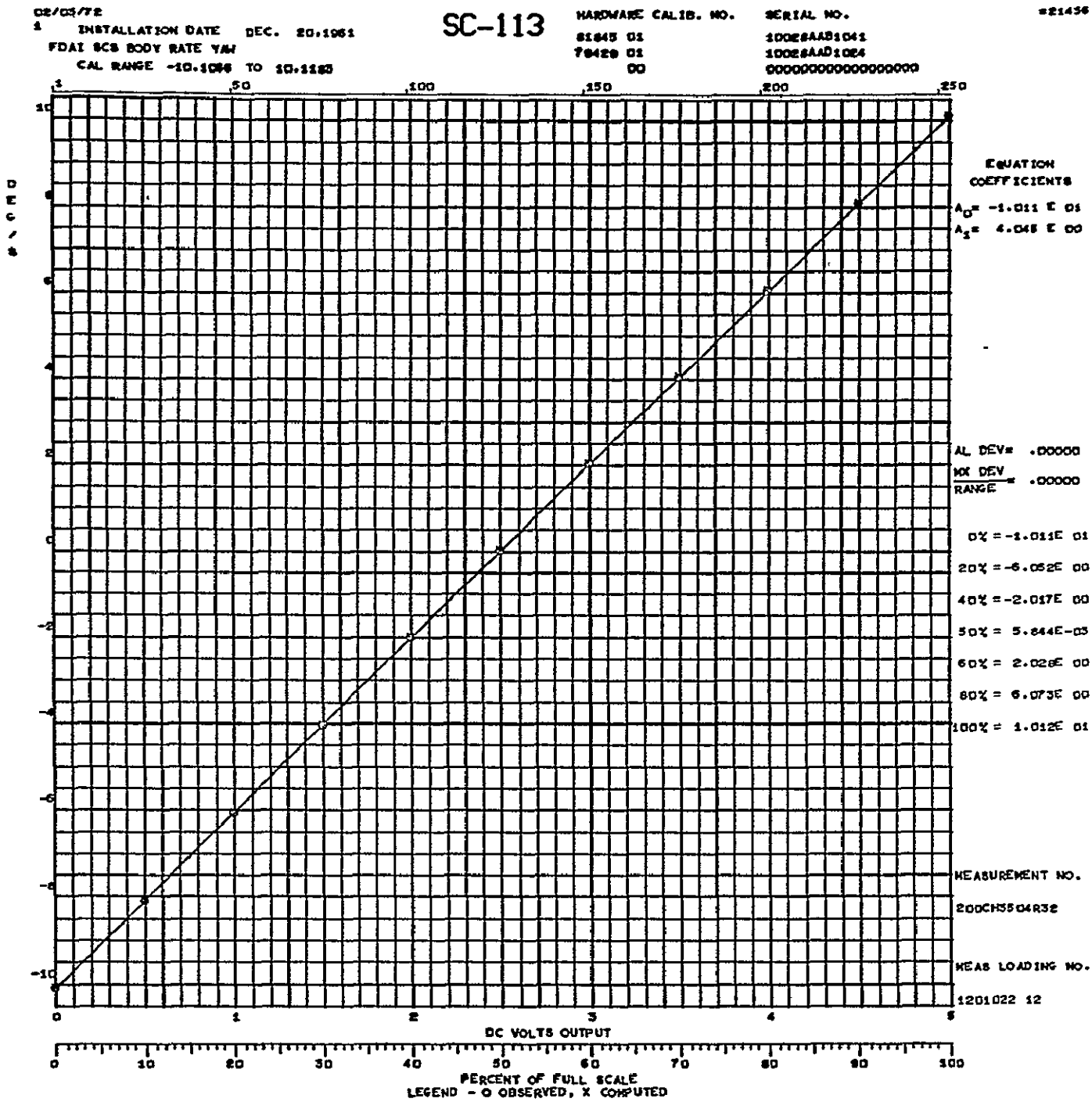
This is a multiple mode measurement. It is two of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CH55041R22
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10026AAB1041
SIGNAL CONDITIONER SERIAL NO 10028AAD1024
AUXILIARY CO /CNT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-5.015	38	-3.568	75	-2.090	112	-0.612	149	0.856	186	2.343	223	3.821
2	-5.005	39	-3.528	76	-2.050	113	-0.572	150	0.905	187	2.385	224	3.881
3	-4.955	40	-3.488	77	-2.010	114	-0.532	151	0.945	188	2.425	225	3.901
4	-4.925	41	-3.448	78	-1.970	115	-0.492	152	0.985	189	2.465	226	3.941
5	-4.885	42	-3.408	79	-1.930	116	-0.452	153	1.025	190	2.505	227	3.981
6	-4.845	43	-3.368	80	-1.890	117	-0.412	154	1.065	191	2.543	228	4.021
7	-4.805	44	-3.328	81	-1.850	118	-0.373	155	1.105	192	2.583	229	4.061
8	-4.766	45	-3.288	82	-1.810	119	-0.333	156	1.145	193	2.625	230	4.101
9	-4.725	46	-3.248	83	-1.770	120	-0.293	157	1.185	194	2.663	231	4.141
10	-4.685	47	-3.208	84	-1.730	121	-0.253	158	1.225	195	2.705	232	4.180
11	-4.646	48	-3.168	85	-1.690	122	-0.213	159	1.265	196	2.743	233	4.220
12	-4.605	49	-3.128	86	-1.651	123	-0.173	160	1.305	197	2.783	234	4.260
13	-4.566	50	-3.089	87	-1.611	124	-0.133	161	1.345	198	2.825	235	4.300
14	-4.526	51	-3.048	88	-1.571	125	-0.093	162	1.385	199	2.862	236	4.340
15	-4.486	52	-3.008	89	-1.531	126	-0.053	163	1.425	200	2.902	237	4.380
16	-4.446	53	-2.969	90	-1.491	127	-0.013	164	1.465	201	2.942	238	4.420
17	-4.405	54	-2.929	91	-1.451	128	0.027	165	1.505	202	2.982	239	4.460
18	-4.366	55	-2.889	92	-1.411	129	0.067	166	1.545	203	3.022	240	4.500
19	-4.325	56	-2.849	93	-1.371	130	0.107	167	1.584	204	3.062	241	4.540
20	-4.285	57	-2.809	94	-1.331	131	0.147	168	1.624	205	3.102	242	4.580
21	-4.247	58	-2.769	95	-1.291	132	0.187	169	1.664	206	3.142	243	4.620
22	-4.207	59	-2.729	96	-1.251	133	0.227	170	1.704	207	3.182	244	4.660
23	-4.167	60	-2.689	97	-1.211	134	0.266	171	1.744	208	3.222	245	4.700
24	-4.127	61	-2.649	98	-1.171	135	0.306	172	1.784	209	3.262	246	4.740
25	-4.087	62	-2.609	99	-1.131	136	0.346	173	1.824	210	3.302	247	4.780
26	-4.047	63	-2.569	100	-1.091	137	0.386	174	1.864	211	3.342	248	4.819
27	-4.007	64	-2.529	101	-1.051	138	0.426	175	1.904	212	3.382	249	4.859
28	-3.967	65	-2.489	102	-1.012	139	0.466	176	1.944	213	3.422	250	4.899
29	-3.927	66	-2.449	103	-0.972	140	0.506	177	1.984	214	3.462	251	4.939
30	-3.887	67	-2.409	104	-0.932	141	0.546	178	2.024	215	3.501	252	4.979
31	-3.847	68	-2.369	105	-0.892	142	0.586	179	2.064	216	3.541	253	5.019
32	-3.807	69	-2.329	106	-0.852	143	0.626	180	2.104	217	3.581	254	5.059
33	-3.767	70	-2.290	107	-0.812	144	0.666	181	2.144	218	3.621		
34	-3.727	71	-2.250	108	-0.772	145	0.706	182	2.184	219	3.661		
35	-3.687	72	-2.210	109	-0.732	146	0.746	183	2.223	220	3.701		
36	-3.647	73	-2.170	110	-0.692	147	0.786	184	2.263	221	3.741		
37	-3.608	74	-2.130	111	-0.652	148	0.826	185	2.303	222	3.781		



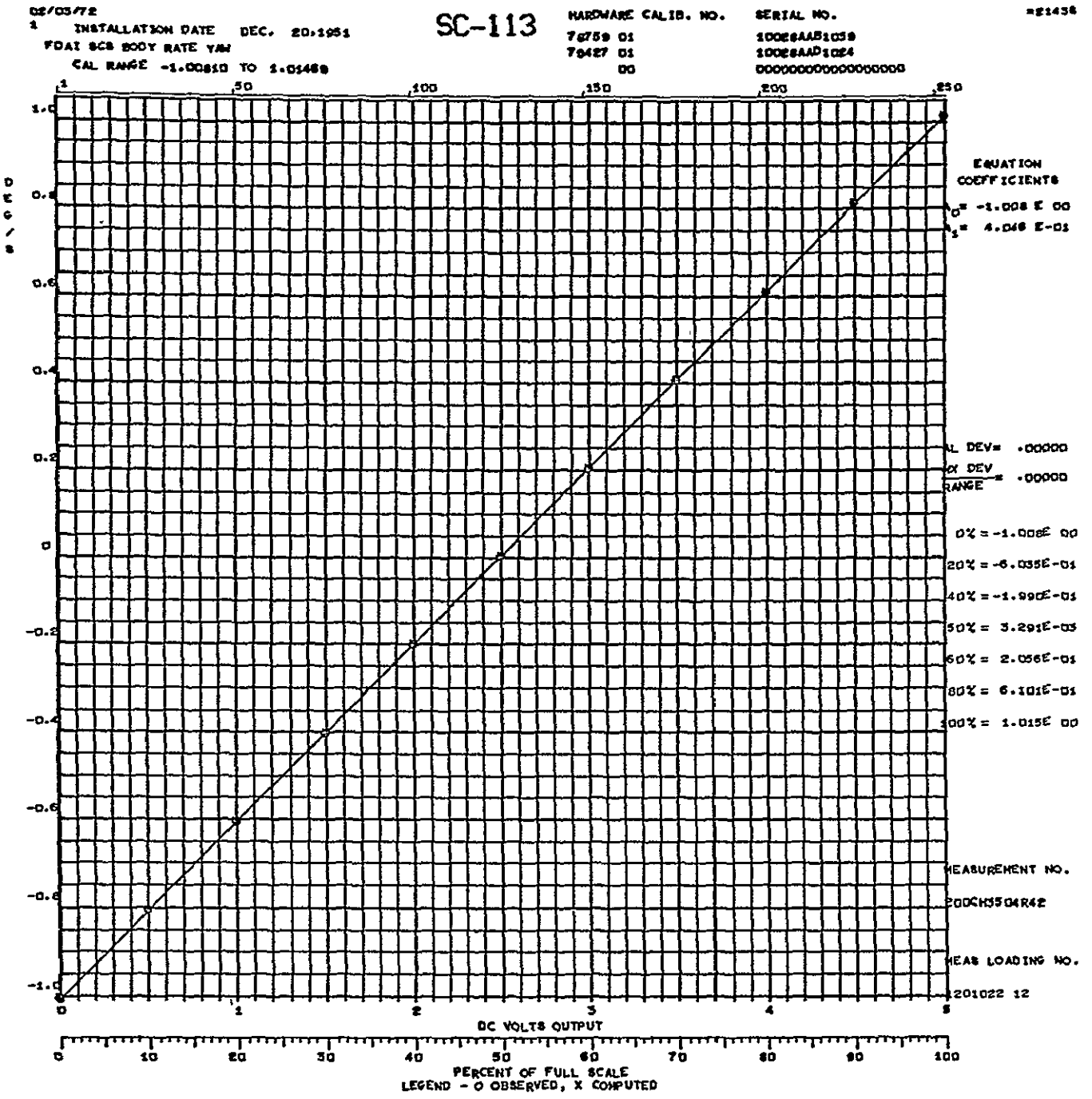
This is a multiple mode measurement. It is three of six options. See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CM5504R32
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-10.107	38	-7.149	75	-4.191	112	-1.233	149	1.725	186	4.682	223	7.640
2	-10.027	39	-7.059	76	-4.111	113	-1.153	150	1.804	187	4.762	224	7.720
3	-9.947	40	-6.989	77	-4.051	114	-1.073	151	1.884	188	4.842	225	7.800
4	-9.867	41	-6.909	78	-3.951	115	-0.993	152	1.964	189	4.922	226	7.880
5	-9.787	42	-6.829	79	-3.871	116	-0.913	153	2.044	190	5.002	227	7.960
6	-9.707	43	-6.749	80	-3.791	117	-0.834	154	2.124	191	5.082	228	8.040
7	-9.627	44	-6.669	81	-3.711	118	-0.754	155	2.204	192	5.162	229	8.120
8	-9.547	45	-6.589	82	-3.631	119	-0.674	156	2.284	193	5.242	230	8.200
9	-9.467	46	-6.509	83	-3 551	120	-0.594	157	2.364	194	5.322	231	8.280
10	-9.387	47	-6.429	84	-3.472	121	-0.514	158	2.444	195	5.402	232	8.360
11	-9.307	48	-6.349	85	-3.392	122	-0.434	159	2.524	196	5.482	233	8 440
12	-9.227	49	-6.269	86	-3.312	123	-0.354	160	2.604	197	5.562	234	8 519
13	-9.147	50	-6.190	87	-3.232	124	-0.274	161	2.684	198	5.642	235	8.599
14	-9.067	51	-6.110	88	-3.152	125	-0.194	162	2.764	199	5.722	236	8.679
15	-8.987	52	-6.030	89	-3.072	126	-0.114	163	2.844	200	5.801	237	8.759
16	-8.907	53	-5.950	90	-2.992	127	-0.034	164	2.924	201	5.881	238	8.839
17	-8.828	54	-5.870	91	-2.912	128	0.046	165	3.004	202	5.961	239	8.919
18	-8.748	55	-5.790	92	-2.832	129	0.126	166	3.084	203	6.041	240	8.999
19	-8.668	56	-5.710	93	-2.752	130	0.206	167	3.163	204	6.121	241	9.079
20	-8.588	57	-5.630	94	-2.672	131	0.286	168	3.243	205	6.201	242	9.159
21	-8.508	58	-5.550	95	-2.592	132	0.366	169	3.323	206	6.281	243	9.239
22	-8.428	59	-5.470	96	-2.512	133	0.446	170	3.403	207	6.361	244	9.319
23	-8.348	60	-5.390	97	-2.432	134	0.525	171	3.483	208	6.441	245	9 399
24	-8.268	61	-5.310	98	-2.352	135	0.605	172	3.563	209	6.521	246	9.479
25	-8.188	62	-5.230	99	-2.272	136	0.685	173	3 643	210	6.601	247	9.559
26	-8.108	63	-5.150	100	-2.192	137	0.765	174	3.723	211	6.681	248	9.639
27	-8.028	64	-5.070	101	-2.113	138	0.845	175	3.803	212	6.761	249	9.719
28	-7.948	65	-4.990	102	-2.033	139	0.925	176	3.883	213	6.841	250	9.798
29	-7.868	66	-4.910	103	-1.953	140	1.005	177	3.963	214	6.921	251	9.878
30	-7.788	67	-4.831	104	-1.873	141	1.085	178	4.043	215	7.001	252	9.958
31	-7.708	68	-4.751	105	-1.793	142	1.165	179	4.123	216	7.081	253	10.038
32	-7.628	69	-4.671	106	-1.713	143	1.245	180	4.203	217	7.160	254	10.118
33	-7.548	70	-4.591	107	-1 633	144	1.325	181	4.283	218	7.240		
34	-7.469	71	-4.511	108	-1.553	145	1.405	182	4.363	219	7.320		
35	-7.389	72	-4 431	109	-1.473	146	1.485	183	4.443	220	7.400		
36	-7.309	73	-4.351	110	-1.393	147	1.565	184	4.522	221	7.480		
37	-7.229	74	-4.271	111	-1.313	148	1.645	185	4.602	222	7.560		



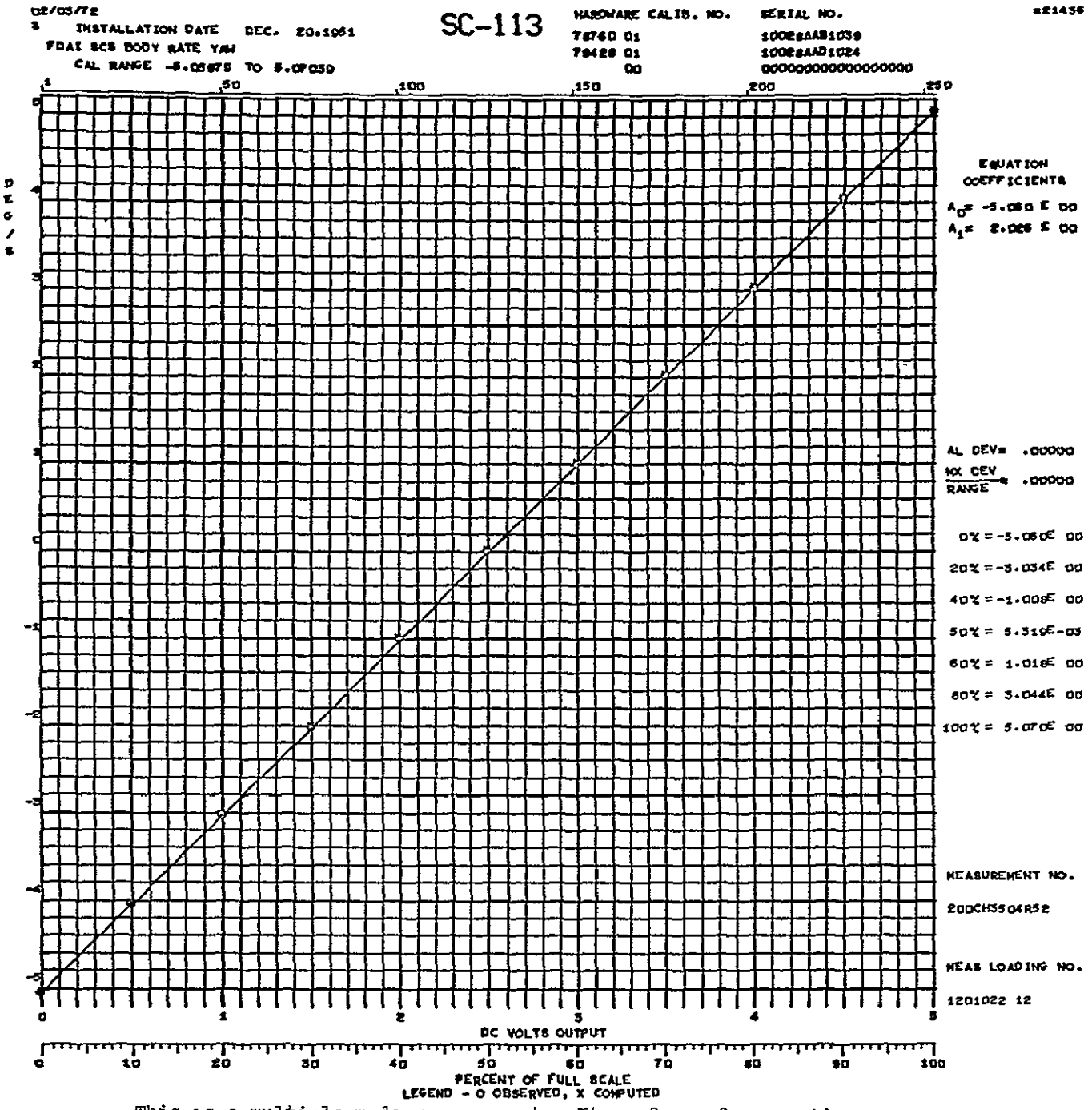
This is a multiple mode measurement. It is four of six options.
See FDIA Event Correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CH5504R42
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAS1059
SIGNAL CONDITIONER SERIAL NO. 10028AA01024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-1.008	38	-0.712	75	-0.416	112	-0.121	149	0.175	186	0.471	223	0.767
2	-1.000	39	-0.704	76	-0.408	113	-0.113	150	0.183	187	0.479	224	0.775
3	-0.992	40	-0.695	77	-0.400	114	-0.105	151	0.191	188	0.487	225	0.783
4	-0.984	41	-0.688	78	-0.392	115	-0.097	152	0.199	189	0.495	226	0.791
5	-0.976	42	-0.680	79	-0.384	116	-0.089	153	0 207	190	0.503	227	0.799
6	-0.968	43	-0.672	80	-0.376	117	-0.081	154	0.215	191	0.511	228	0.807
7	-0.960	44	-0.664	81	-0.368	118	-0.073	155	0.223	192	0.519	229	0.815
8	-0.952	45	-0.656	82	-0.360	119	-0.065	156	0.231	193	0.527	230	0.823
9	-0.944	46	-0.648	83	-0.352	120	-0.057	157	0.239	194	0.535	231	0.831
10	-0.936	47	-0.640	84	-0.345	121	-0.049	158	0.247	195	0.543	232	0.839
11	-0.928	48	-0.632	85	-0.337	122	-0.041	159	0.255	196	0.551	233	0.847
12	-0.920	49	-0.624	86	-0.329	123	-0.033	160	0.263	197	0.559	234	0.855
13	-0.912	50	-0.616	87	-0.321	124	-0.025	161	0.271	198	0.567	235	0.863
14	-0.904	51	-0.608	88	-0.313	125	-0.017	162	0.279	199	0.575	236	0.871
15	-0.896	52	-0.600	89	-0.305	126	-0.009	163	0.287	200	0.583	237	0.879
16	-0.888	53	-0.592	90	-0.297	127	-0.001	164	0.295	201	0.591	238	0.887
17	-0.880	54	-0.584	91	-0.289	128	0.007	165	0.303	202	0.599	239	0.895
18	-0.872	55	-0.576	92	-0.281	129	0.015	166	0 311	203	0 607	240	0.903
19	-0.864	56	-0.568	93	-0.273	130	0.023	167	0.319	204	0.615	241	0.911
20	-0.856	57	-0.560	94	-0.265	131	0.031	168	0.327	205	0.623	242	0.919
21	-0.848	58	-0.552	95	-0.257	132	0.039	169	0.335	206	0.631	243	0.927
22	-0.840	59	-0.544	96	-0.249	133	0.047	170	0.343	207	0.639	244	0.935
23	-0.832	60	-0.536	97	-0.241	134	0.055	171	0.351	208	0 647	245	0.943
24	-0.824	61	-0.528	98	-0.233	135	0.063	172	0.359	209	0.655	246	0.951
25	-0.816	62	-0.520	99	-0.225	136	0.071	173	0 367	210	0 663	247	0.959
26	-0.808	63	-0.512	100	-0.217	137	0.079	174	0.375	211	0 671	248	0.967
27	-0.800	64	-0.504	101	-0.209	138	0.087	175	0.383	212	0 679	249	0.975
28	-0.792	65	-0.496	102	-0.201	139	0.095	176	0.391	213	0.687	250	0.983
29	-0.784	66	-0.488	103	-0.193	140	0.103	177	0.399	214	0.695	251	0.991
30	-0.776	67	-0.480	104	-0.185	141	0.111	178	0.407	215	0.703	252	0.999
31	-0.768	68	-0.472	105	-0.177	142	0.119	179	0 415	216	0.711	253	1.007
32	-0.760	69	-0.464	106	-0.169	143	0.127	180	0 423	217	0.719	254	1.015
33	-0 752	70	-0.456	107	-0.161	144	0.135	181	0 431	218	0 727		
34	-0.744	71	-0.448	108	-0.153	145	0 143	182	0 439	219	0 735		
35	-0.736	72	-0 440	109	-0.145	146	0.151	183	0.447	220	0.743		
36	-0.728	73	-0.432	110	-0.137	147	0 159	184	0.455	221	0.751		
37	-0.720	74	-0 424	111	-0.129	148	0 167	185	0.463	222	0.759		



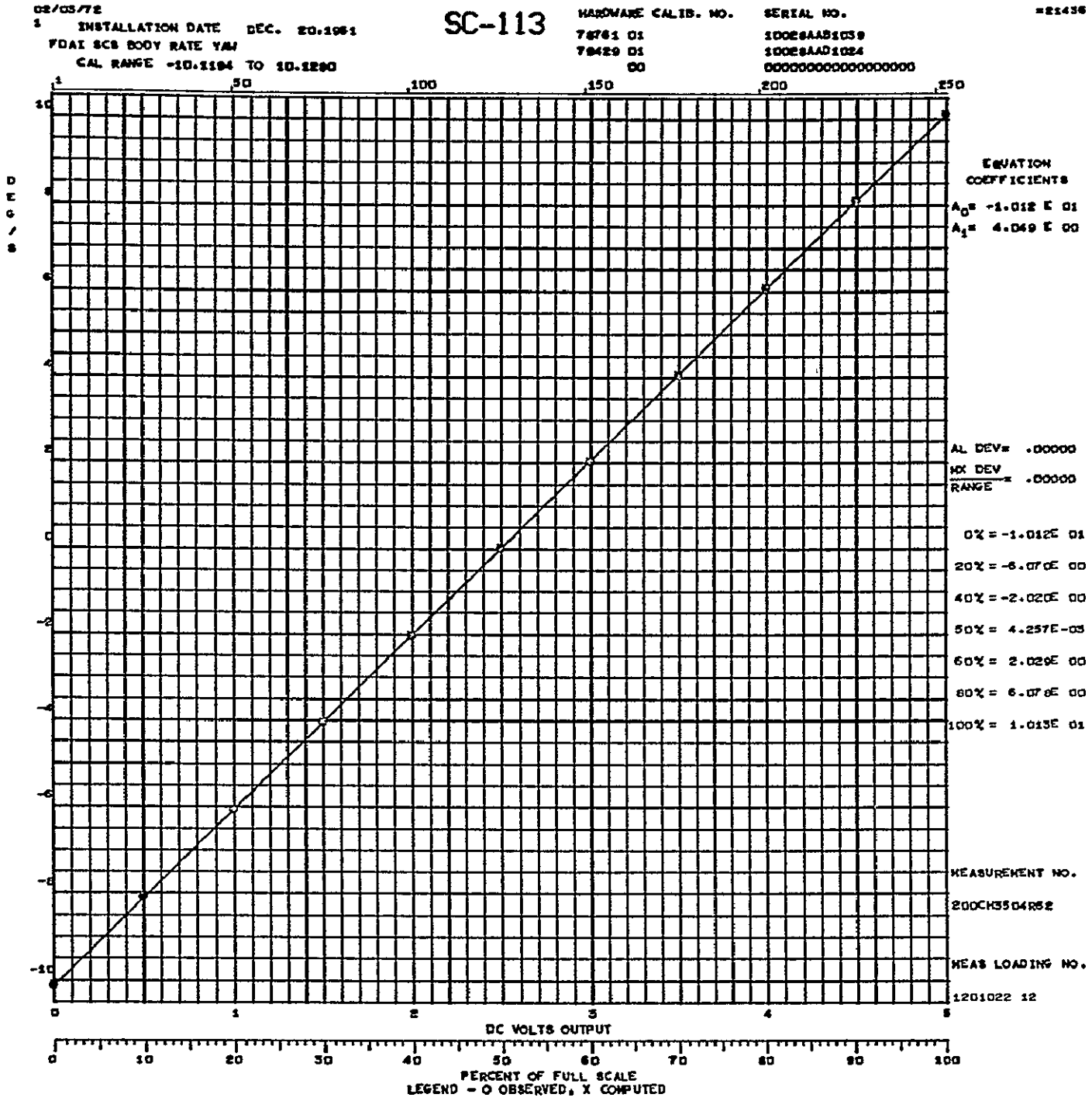
This is a multiple mode measurement. It is five of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CH55D4R52
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1059
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-5.080	38	-3.578	75	-2.097	112	-0.615	149	0.856	186	2.348	223	3.829
2	-5.020	39	-3.538	76	-2.057	113	-0.575	150	0.905	187	2.368	224	3.869
3	-4.980	40	-3.498	77	-2.017	114	-0.535	151	0.946	188	2.428	225	3.909
4	-4.940	41	-3.458	78	-1.977	115	-0.495	152	0.986	189	2.468	226	3.949
5	-4.900	42	-3.418	79	-1.937	116	-0.455	153	1.026	190	2.508	227	3.969
6	-4.860	43	-3.378	80	-1.897	117	-0.415	154	1.066	191	2.548	228	4.029
7	-4.820	44	-3.338	81	-1.857	118	-0.375	155	1.106	192	2.568	229	4.069
8	-4.779	45	-3.298	82	-1.817	119	-0.335	156	1.146	193	2.628	230	4.109
9	-4.739	46	-3.258	83	-1.776	120	-0.295	157	1.187	194	2.668	231	4.149
10	-4.699	47	-3.218	84	-1.736	121	-0.255	158	1.227	195	2.708	232	4.190
11	-4.659	48	-3.178	85	-1.696	122	-0.215	159	1.267	196	2.748	233	4.230
12	-4.619	49	-3.138	86	-1.656	123	-0.175	160	1.307	197	2.788	234	4.270
13	-4.579	50	-3.098	87	-1.616	124	-0.135	161	1.347	198	2.828	235	4.310
14	-4.539	51	-3.058	88	-1.576	125	-0.095	162	1.387	199	2.868	236	4.350
15	-4.499	52	-3 018	89	-1.536	126	-0.055	163	1.427	200	2.908	237	4.390
16	-4.459	53	-2.978	90	-1.496	127	-0.015	164	1.467	201	2.948	238	4.430
17	-4.419	54	-2.938	91	-1.456	128	0.025	165	1.507	202	2.988	239	4.470
18	-4.379	55	-2.898	92	-1.416	129	0.065	166	1.547	203	3.028	240	4.510
19	-4.339	56	-2.858	93	-1.376	130	0.105	167	1.587	204	3.068	241	4.550
20	-4.299	57	-2.818	94	-1.336	131	0.145	168	1.627	205	3.108	242	4.590
21	-4.259	58	-2.777	95	-1.296	132	0.185	169	1.667	206	3.148	243	4.630
22	-4.219	59	-2.737	96	-1.256	133	0.225	170	1.707	207	3.189	244	4.670
23	-4.179	60	-2.697	97	-1.216	134	0.266	171	1.747	208	3.229	245	4.710
24	-4.139	61	-2.657	98	-1.176	135	0.306	172	1.787	209	3.269	246	4.750
25	-4.099	62	-2.617	99	-1.136	136	0.346	173	1.827	210	3.309	247	4.790
26	-4.059	63	-2.577	100	-1.096	137	0.386	174	1.867	211	3.349	248	4.830
27	-4.019	64	-2.537	101	-1.056	138	0.426	175	1.907	212	3.389	249	4.870
28	-3.979	65	-2.497	102	-1.016	139	0.466	176	1.947	213	3.429	250	4.910
29	-3.959	66	-2.457	103	-0.976	140	0.506	177	1.987	214	3.469	251	4.950
30	-3.899	67	-2.417	104	-0.936	141	0.546	178	2.027	215	3.509	252	4.990
31	-3.859	68	-2.377	105	-0.895	142	0.586	179	2.067	216	3.549	253	5.030
32	-3.819	69	-2.337	106	-0.855	143	0.626	180	2.107	217	3.589	254	5.070
33	-3.778	70	-2.297	107	-0.816	144	0 666	181	2.147	218	3 629		
34	-3.738	71	-2.257	108	-0.775	145	0.705	182	2.188	219	3.669		
35	-3.698	72	-2.217	109	-0.735	146	0.746	183	2.228	220	3.709		
36	-3.658	73	-2.177	110	-0.695	147	0.786	184	2.268	221	3.749		
37	-3 618	74	-2.137	111	-0.655	148	0.826	185	2.308	222	3.789		



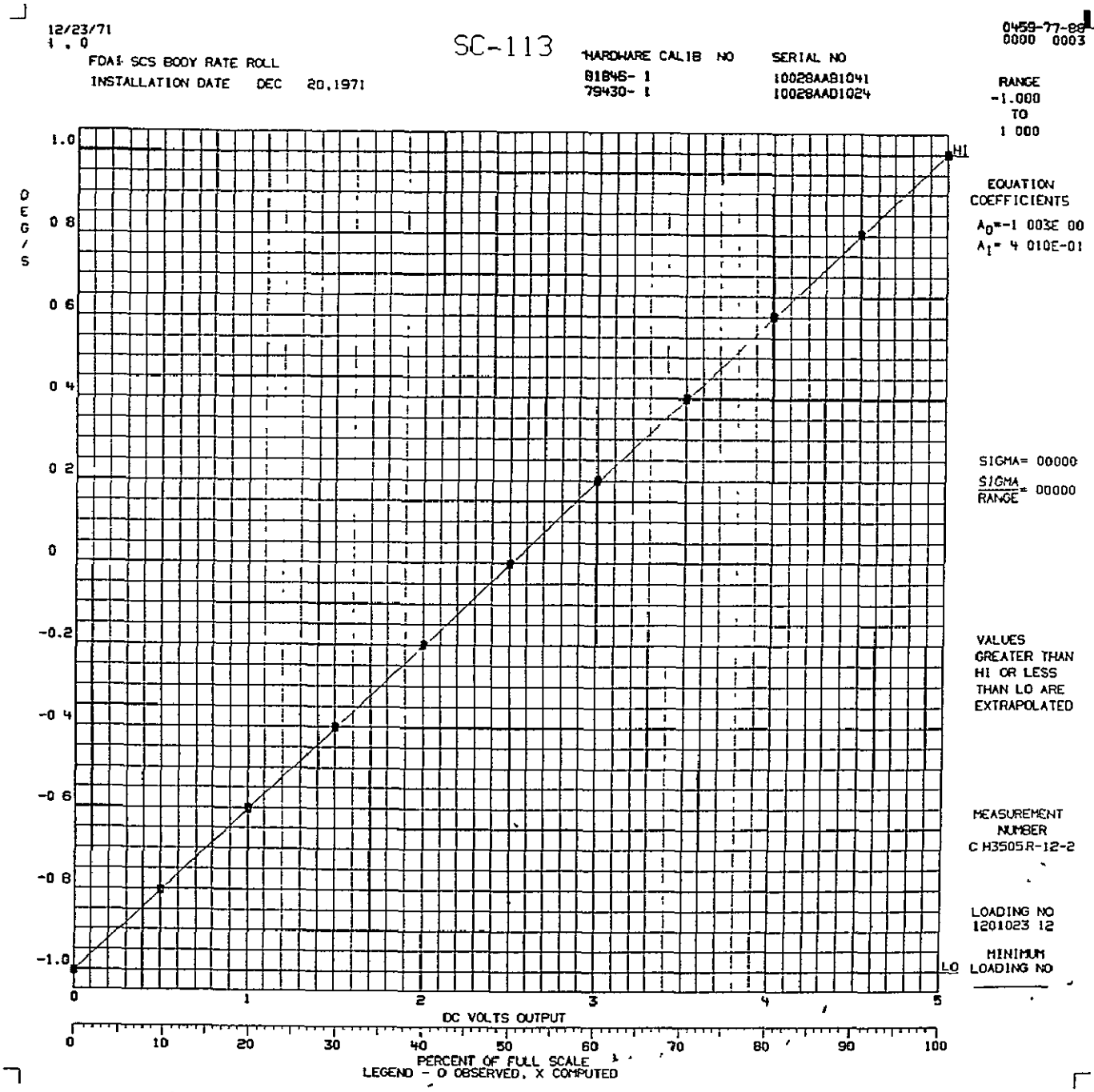
This is a multiple mode measurement. It is six of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE YAW

MEASUREMENT NO. 200CH550HR2
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028AAD1031
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-10.119	38	-7.158	75	-4.197	112	-1.236	149	1.725	186	4.686	223	7.647
2	-10.059	39	-7.078	76	-4.117	113	-1.156	150	1.805	187	4.766	224	7.727
3	-9.959	40	-6.998	77	-4.037	114	-1.076	151	1.885	188	4.846	225	7.807
4	-9.879	41	-6.918	78	-3.957	115	-0.996	152	1.965	189	4.926	226	7.887
5	-9.799	42	-6.838	79	-3.877	116	-0.916	153	2.045	190	5.006	227	7.967
6	-9.719	43	-6.758	80	-3.797	117	-0.836	154	2.125	191	5.086	228	8.047
7	-9.639	44	-6.678	81	-3.717	118	-0.756	155	2.205	192	5.166	229	8.127
8	-9.559	45	-6.598	82	-3.637	119	-0.676	156	2.285	193	5.246	230	8.207
9	-9.479	46	-6.518	83	-3.557	120	-0.596	157	2.365	194	5.326	231	8.287
10	-9.399	47	-6.438	84	-3.477	121	-0.516	158	2.445	195	5.406	232	8.367
11	-9.319	48	-6.358	85	-3.397	122	-0.436	159	2.525	196	5.486	233	8.447
12	-9.239	49	-6.278	86	-3.317	123	-0.356	160	2.605	197	5.566	234	8.527
13	-9.159	50	-6.198	87	-3.237	124	-0.276	161	2.685	198	5.646	235	8.607
14	-9.079	51	-6.118	88	-3.157	125	-0.196	162	2.765	199	5.726	236	8.687
15	-8.999	52	-6.038	89	-3.077	126	-0 116	163	2.845	200	5.806	237	8.767
16	-8.919	53	-5.958	90	-2.997	127	-0.036	164	2.925	201	5.886	238	8.847
17	-8.839	54	-5.878	91	-2.917	128	0.044	165	3.005	202	5.966	239	8.928
18	-8.759	55	-5.798	92	-2.837	129	0.124	166	3.085	203	6.046	240	9.008
19	-8.679	56	-5.718	93	-2.757	130	0.204	167	3.165	204	6.126	241	9.088
20	-8.599	57	-5.638	94	-2.677	131	0.284	168	3.245	205	6.207	242	9.168
21	-8.519	58	-5.558	95	-2.597	132	0.364	169	3.325	206	6.287	243	9.248
22	-8.439	59	-5.478	96	-2.517	133	0.444	170	3.405	207	6.367	244	9.328
23	-8.359	60	-5.398	97	-2.437	134	0.524	171	3.485	208	6.447	245	9.408
24	-8.279	61	-5.318	98	-2.357	135	0.604	172	3.566	209	6.527	246	9.488
25	-8.199	62	-5.238	99	-2.277	136	0.685	173	3.646	210	6.607	247	9.568
26	-8.119	63	-5.158	100	-2.197	137	0.765	174	3.726	211	6.687	248	9.648
27	-8.039	64	-5.078	101	-2.117	138	0.845	175	3.806	212	6.767	249	9.728
28	-7.959	65	-4.998	102	-2.038	139	0.925	176	3.886	213	6.847	250	9.808
29	-7.879	66	-4.918	103	-1.956	140	1.005	177	3.966	214	6.927	251	9.888
30	-7.799	67	-4.838	104	-1.876	141	1.085	178	4.046	215	7.007	252	9.968
31	-7.719	68	-4.757	105	-1.796	142	1.165	179	4.126	216	7.087	253	10.048
32	-7.639	69	-4.677	106	-1.716	143	1.245	180	4.206	217	7.167	254	10.128
33	-7.559	70	-4.597	107	-1 636	144	1.325	181	4.286	218	7.247		
34	-7.478	71	-4.517	108	-1.556	145	1.405	182	4.366	219	7.327		
35	-7.398	72	-4.437	109	-1.476	146	1.485	183	4.446	220	7.407		
36	-7.318	73	-4.357	110	-1.396	147	1.565	184	4.526	221	7.487		
37	-7.238	74	-4.277	111	-1.316	148	1.645	185	4.606	222	7.567		

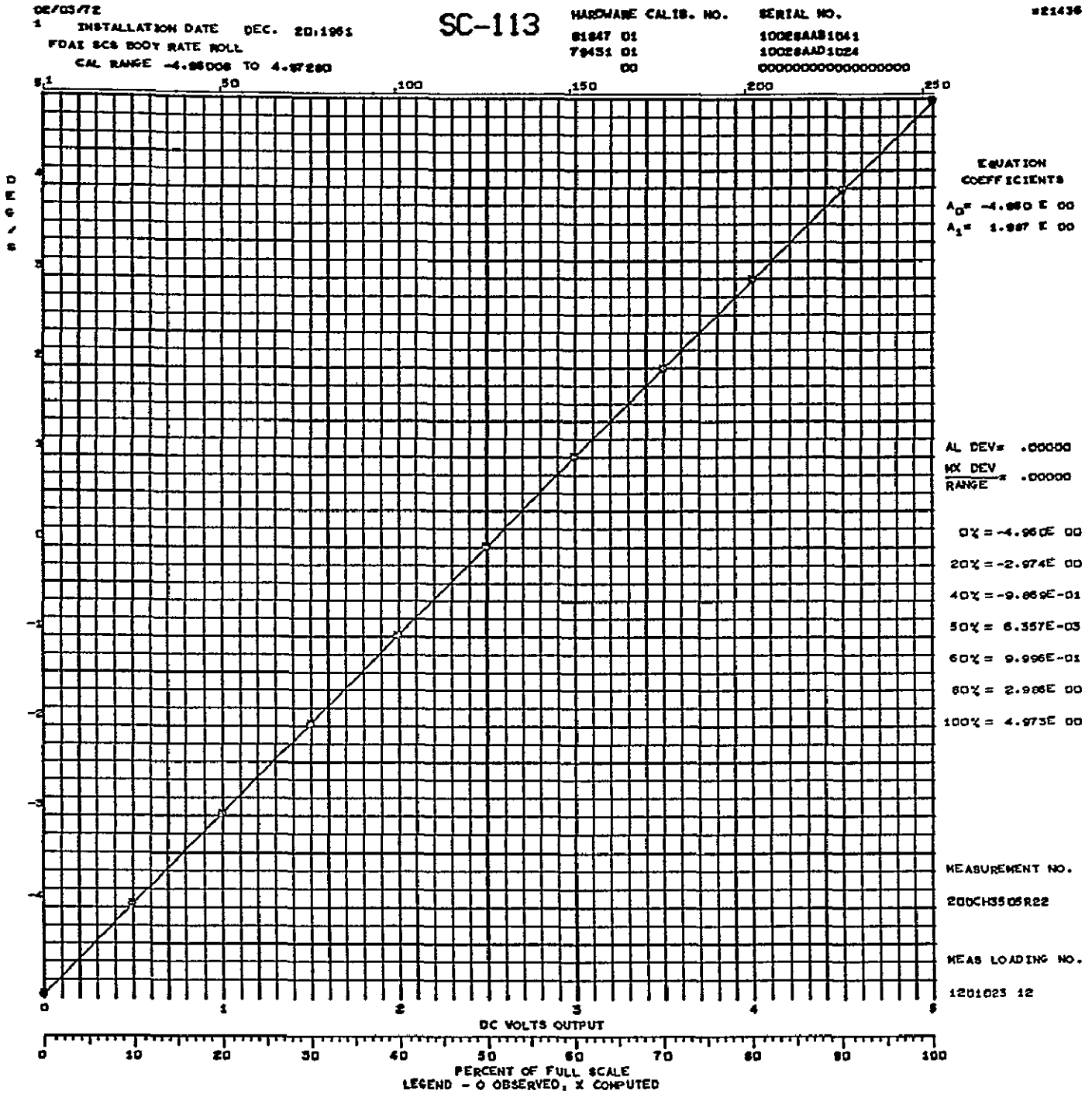


This is a multiple mode measurement. It is one of six options.
See FDIA Event Correlation on page 4-5.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 12/23/71
MEASUREMENT C H3505 R - 12. 2. CALIBRATED 12/20/71
HARDWARE NUMBERS 81846- 1. VS. 79430- 1.

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1*	-1.0029	38	-0.7096	75	-0.4164	112	-0.1232	149	0.1701	186	0.4633	223	0.7566
2	-0.9950	39	-0.7017	76	-0.4085	113	-0.1152	150	0.1780	187	0.4712	224	0.7645
3	-0.9870	40	-0.6938	77	-0.4006	114	-0.1073	151	0.1859	188	0.4792	225	0.7724
4	-0.9791	41	-0.6859	78	-0.3926	115	-0.0994	152	0.1938	189	0.4871	226	0.7803
5	-0.9712	42	-0.6779	79	-0.3847	116	-0.0915	153	0.2018	190	0.4950	227	0.7883
6	-0.9633	43	-0.6700	80	-0.3768	117	-0.0835	154	0.2097	191	0.5029	228	0.7962
7	-0.9553	44	-0.6621	81	-0.3689	118	-0.0756	155	0.2176	192	0.5109	229	0.8041
8	-0.9474	45	-0.6542	82	-0.3609	119	-0.0677	156	0.2255	193	0.5188	230	0.8120
9	-0.9395	46	-0.6462	83	-0.3530	120	-0.0598	157	0.2335	194	0.5267	231	0.8200
10	-0.9316	47	-0.6383	84	-0.3451	121	-0.0518	158	0.2414	195	0.5346	232	0.8279
11	-0.9236	48	-0.6304	85	-0.3372	122	-0.0439	159	0.2493	196	0.5426	233	0.8358
12	-0.9157	49	-0.6225	86	-0.3292	123	-0.0360	160	0.2573	197	0.5505	234	0.8437
13	-0.9078	50	-0.6145	87	-0.3213	124	-0.0281	161	0.2652	198	0.5584	235	0.8517
14	-0.8999	51	-0.6066	88	-0.3134	125	-0.0201	162	0.2731	199	0.5663	236	0.8596
15	-0.8919	52	-0.5987	89	-0.3055	126	-0.0122	163	0.2810	200	0.5743	237	0.8675
16	-0.8840	53	-0.5908	90	-0.2975	127	-0.0043	164	0.2890	201	0.5822	238	0.8754
17	-0.8761	54	-0.5828	91	-0.2896	128	0.0036	165	0.2969	202	0.5901	239	0.8834
18	-0.8682	55	-0.5749	92	-0.2817	129	0.0116	166	0.3048	203	0.5980	240	0.8913
19	-0.8602	56	-0.5670	93	-0.2738	130	0.0195	167	0.3127	204	0.6060	241	0.8992
20	-0.8523	57	-0.5591	94	-0.2658	131	0.0274	168	0.3207	205	0.6139	242	0.9071
21	-0.8444	58	-0.5511	95	-0.2579	132	0.0353	169	0.3286	206	0.6218	243	0.9151
22	-0.8365	59	-0.5432	96	-0.2500	133	0.0433	170	0.3365	207	0.6297	244	0.9230
23	-0.8285	60	-0.5353	97	-0.2420	134	0.0512	171	0.3444	208	0.6377	245	0.9309
24	-0.8206	61	-0.5274	98	-0.2341	135	0.0591	172	0.3524	209	0.6456	246	0.9388
25	-0.8127	62	-0.5194	99	-0.2262	136	0.0670	173	0.3603	210	0.6535	247	0.9468
26	-0.8048	63	-0.5115	100	-0.2183	137	0.0750	174	0.3682	211	0.6614	248	0.9547
27	-0.7968	64	-0.5036	101	-0.2103	138	0.0829	175	0.3761	212	0.6694	249	0.9626
28	-0.7889	65	-0.4957	102	-0.2024	139	0.0908	176	0.3841	213	0.6773	250	0.9705
29	-0.7810	66	-0.4877	103	-0.1945	140	0.0987	177	0.3920	214	0.6852	251	0.9785
30	-0.7730	67	-0.4798	104	-0.1866	141	0.1067	178	0.3999	215	0.6931	252	0.9864
31	-0.7651	68	-0.4719	105	-0.1786	142	0.1146	179	0.4078	216	0.7011	253	0.9943
32	-0.7572	69	-0.4640	106	-0.1707	143	0.1225	180	0.4158	217	0.7090	254*	1.0022
33	-0.7493	70	-0.4560	107	-0.1628	144	0.1304	181	0.4237	218	0.7169		
34	-0.7413	71	-0.4481	108	-0.1549	145	0.1384	182	0.4316	219	0.7248		
35	-0.7334	72	-0.4402	109	-0.1469	146	0.1463	183	0.4395	220	0.7328		
36	-0.7255	73	-0.4323	110	-0.1390	147	0.1542	184	0.4475	221	0.7407		
37	-0.7176	74	-0.4243	111	-0.1311	148	0.1621	185	0.4554	222	0.7486		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)



This is a multiple mode measurement. It is two of six options. See FDIA Event Correlation on page 4-5.

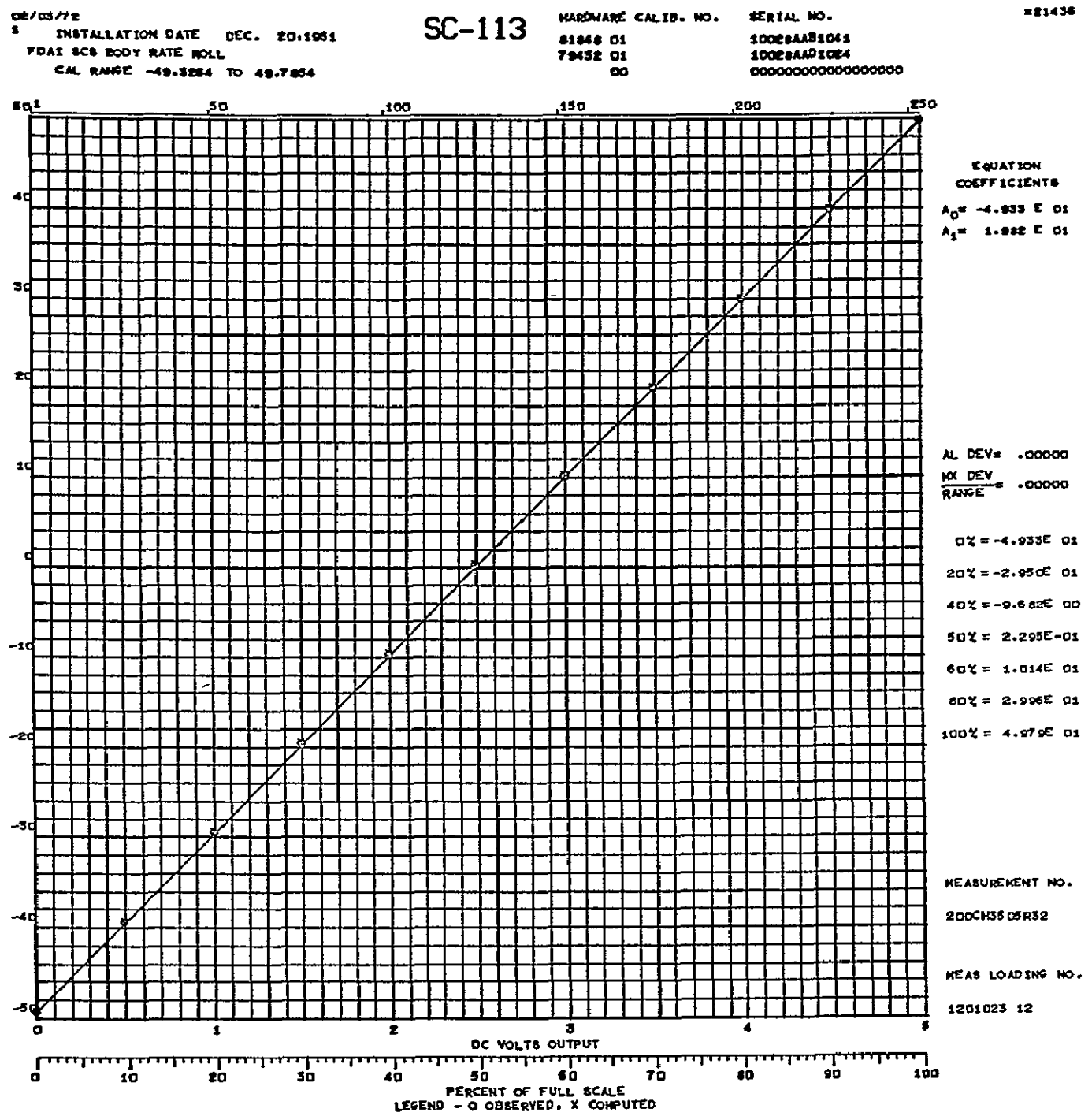
15-19

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 200CH5505R22
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD102
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-4.950	38	-3.507	75	-2.055	112	-0.602	149	0.850	186	2.303	223	3.756
2	-4.921	39	-3.456	76	-2.015	113	-0.563	150	0.890	187	2.342	224	3.795
3	-4.882	40	-3.429	77	-1.976	114	-0.524	151	0.929	188	2.382	225	3.834
4	-4.842	41	-3.390	78	-1.937	115	-0.484	152	0.968	189	2.421	226	3.874
5	-4.803	42	-3.350	79	-1.898	116	-0.445	153	1.007	190	2.460	227	3.913
6	-4.764	43	-3.311	80	-1.859	117	-0.405	154	1.047	191	2.499	228	3.952
7	-4.725	44	-3.272	81	-1.819	118	-0.367	155	1.085	192	2.539	229	3.991
8	-4.685	45	-3.233	82	-1.780	119	-0.327	156	1.125	193	2.578	230	4.031
9	-4.646	46	-3.193	83	-1.741	120	-0.288	157	1.165	194	2.617	231	4.070
10	-4.607	47	-3.154	84	-1.701	121	-0.249	158	1.204	195	2.656	232	4.109
11	-4.567	48	-3.115	85	-1.662	122	-0.210	159	1.243	196	2.696	233	4.148
12	-4.528	49	-3.076	86	-1.623	123	-0.170	160	1.282	197	2.735	234	4.188
13	-4.489	50	-3.035	87	-1.584	124	-0.131	161	1.322	198	2.774	235	4.227
14	-4.450	51	-2.997	88	-1.544	125	-0.092	162	1.361	199	2.813	236	4.266
15	-4.410	52	-2.958	89	-1.505	126	-0.053	163	1.400	200	2.853	237	4.305
16	-4.371	53	-2.919	90	-1.466	127	-0.013	164	1.439	201	2.892	238	4.345
17	-4.332	54	-2.879	91	-1.427	128	0.026	165	1.479	202	2.931	239	4.384
18	-4.293	55	-2.840	92	-1.387	129	0.065	166	1.518	203	2.971	240	4.423
19	-4.253	56	-2.801	93	-1.348	130	0.105	167	1.557	204	3.010	241	4.462
20	-4.214	57	-2.762	94	-1.309	131	0.144	168	1.596	205	3.049	242	4.502
21	-4.175	58	-2.722	95	-1.270	132	0.183	169	1.636	206	3.088	243	4.541
22	-4.135	59	-2.683	96	-1.230	133	0.222	170	1.675	207	3.128	244	4.580
23	-4.096	60	-2.644	97	-1.191	134	0.262	171	1.714	208	3.167	245	4.619
24	-4.057	61	-2.604	98	-1.152	135	0.301	172	1.753	209	3.208	246	4.659
25	-4.018	62	-2.565	99	-1.113	136	0.340	173	1.793	210	3.245	247	4.698
26	-3.979	63	-2.525	100	-1.073	137	0.379	174	1.832	211	3.285	248	4.737
27	-3.939	64	-2.487	101	-1.034	138	0.419	175	1.871	212	3.324	249	4.776
28	-3.900	65	-2.447	102	-0.995	139	0.458	176	1.910	213	3.363	250	4.816
29	-3.861	66	-2.408	103	-0.956	140	0.497	177	1.950	214	3.402	251	4.855
30	-3.822	67	-2.369	104	-0.916	141	0.536	178	1.989	215	3.442	252	4.894
31	-3.782	68	-2.330	105	-0.877	142	0.576	179	2.028	216	3.481	253	4.934
32	-3.743	69	-2.290	106	-0.838	143	0.615	180	2.068	217	3.520	254	4.973
33	-3.704	70	-2.251	107	-0.798	144	0.654	181	2.107	218	3.559		
34	-3.664	71	-2.212	108	-0.759	145	0.693	182	2.146	219	3.599		
35	-3.625	72	-2.173	109	-0.720	146	0.733	183	2.185	220	3.638		
36	-3.586	73	-2.133	110	-0.681	147	0.772	184	2.225	221	3.677		
37	-3.547	74	-2.094	111	-0.641	148	0.811	185	2.264	222	3.716		



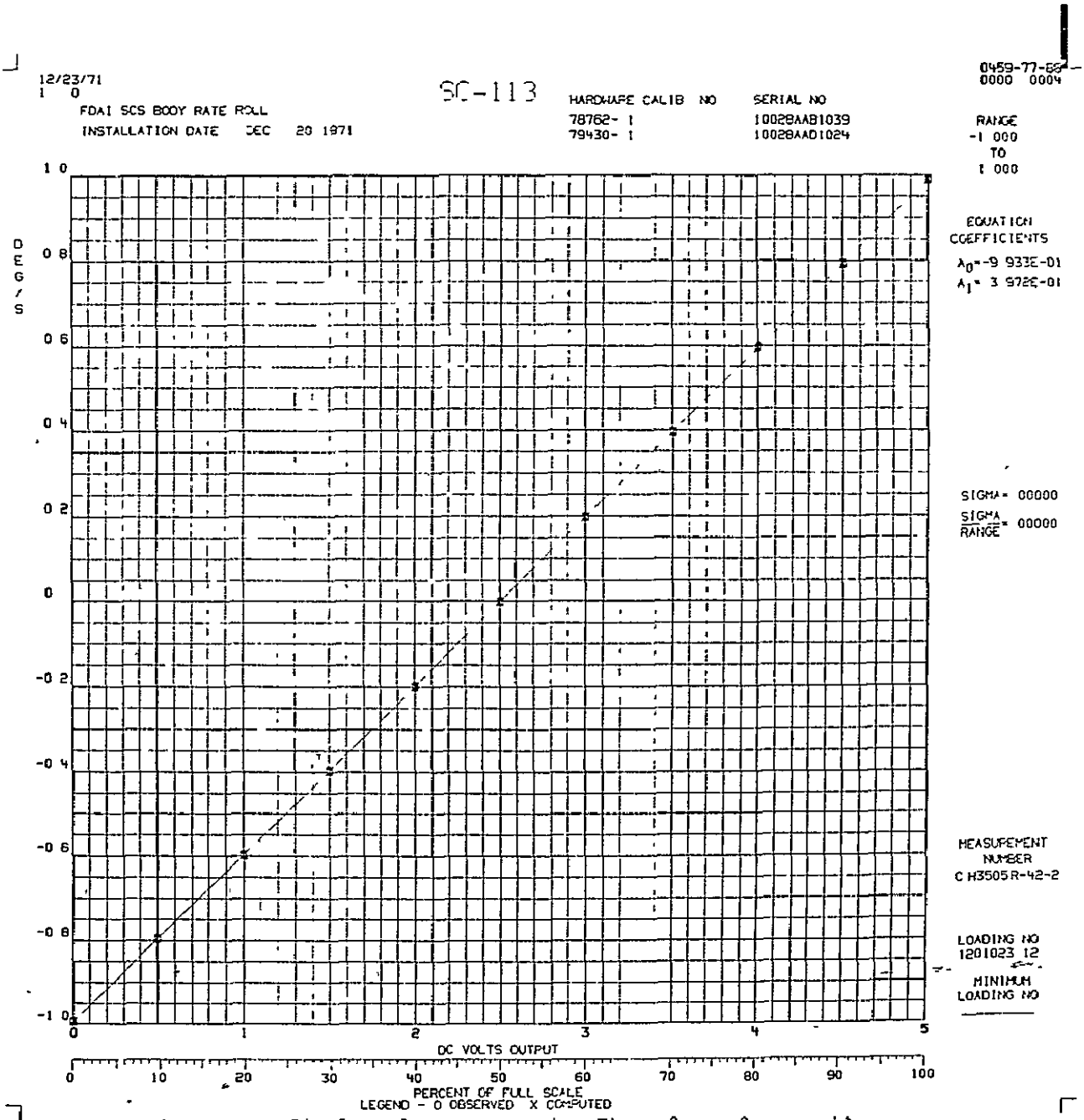
This is a multiple mode measurement. It is three of six options. See FDIA Event Correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 200CH55O5R32
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1041
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-49.325	38	-34.832	75	-20.357	112	-5.843	149	8.652	186	23.147	223	37.641
2	-48.935	39	-34.440	76	-19.945	113	-5.451	150	9.044	187	23.538	224	38.033
3	-48.543	40	-34.048	77	-19.554	114	-5.059	151	9.436	188	23.930	225	38.425
4	-48.151	41	-33 657	78	-19.162	115	-4.667	152	9.827	189	24.322	226	38.817
5	-47.759	42	-33.265	79	-18.770	116	-4.276	153	10.219	190	24.714	227	39.208
6	-47.368	43	-32.873	80	-18.378	117	-3.884	154	10.611	191	25.105	228	39.600
7	-46.976	44	-32.481	81	-17.987	118	-3.492	155	11.003	192	25.497	229	39.992
8	-46.584	45	-32.090	82	-17.595	119	-3.100	156	11.394	193	25.889	230	40.384
9	-46.192	46	-31.698	83	-17.203	120	-2.709	157	11.786	194	26.281	231	40.775
10	-45.801	47	-31.305	84	-16.811	121	-2.317	158	12.178	195	26.672	232	41.167
11	-45.409	48	-30.914	85	-16.420	122	-1.925	159	12.570	196	27.064	233	41.559
12	-45.017	49	-30 523	86	-16.028	123	-1.533	160	12.961	197	27.456	234	41.951
13	-44.625	50	-30 131	87	-15.636	124	-1.142	161	13.353	198	27.848	235	42.342
14	-44.234	51	-29.739	88	-15.244	125	-0.750	162	13.745	199	28.239	236	42.734
15	-43.842	52	-29.347	89	-14.853	126	-0.358	163	14.137	200	28.631	237	43.126
16	-43.450	53	-28.956	90	-14.461	127	0.034	164	14.528	201	29.023	238	43.518
17	-43.058	54	-28 564	91	-14.069	128	0.425	165	14.920	202	29.415	239	43.909
18	-42.667	55	-28.172	92	-13 677	129	0.817	166	15.312	203	29.806	240	44.301
19	-42.275	56	-27.780	93	-13.286	130	1.209	167	15.703	204	30.198	241	44.693
20	-41.883	57	-27.389	94	-12.894	131	1.601	168	16.095	205	30.590	242	45.084
21	-41.491	58	-26.997	95	-12.502	132	1.992	169	16.487	206	30.982	243	45.476
22	-41.100	59	-26.605	96	-12.110	133	2.384	170	16.879	207	31.373	244	45.868
23	-40.708	60	-26.213	97	-11.719	134	2.776	171	17.270	208	31.765	245	46.260
24	-40.316	61	-25.822	98	-11.327	135	3.168	172	17.662	209	32.157	246	46.651
25	-39.924	62	-25.430	99	-10.935	136	3.559	173	18.054	210	32.549	247	47.043
26	-39.533	63	-25.038	100	-10.544	137	3.951	174	18.446	211	32.940	248	47.435
27	-39.141	64	-24.646	101	-10.152	138	4.343	175	18.837	212	33.332	249	47.827
28	-38.749	65	-24.255	102	-9 760	139	4.735	176	19 229	213	33.724	250	48.218
29	-38.357	66	-23.863	103	-9 368	140	5.126	177	19 621	214	34.116	251	48.610
30	-37.966	67	-23.471	104	-8.977	141	5.518	178	20.013	215	34.507	252	49.002
31	-37.574	68	-23.079	105	-8.585	142	5.910	179	20.404	216	34.899	253	49.394
32	-37.182	69	-22.688	106	-8.193	143	6.302	180	20.796	217	35.291	254	49.785
33	-36.791	70	-22.296	107	-7.801	144	6.693	181	21.188	218	35.683		
34	-36.399	71	-21.904	108	-7.410	145	7.085	182	21.580	219	36.074		
35	-36.007	72	-21.512	109	-7.018	146	7.477	183	21.971	220	36.466		
36	-35.615	73	-21.121	110	-6.626	147	7.869	184	22.363	221	36.858		
37	-35.224	74	-20.729	111	-6.234	148	8.260	185	22.755	222	37.250		

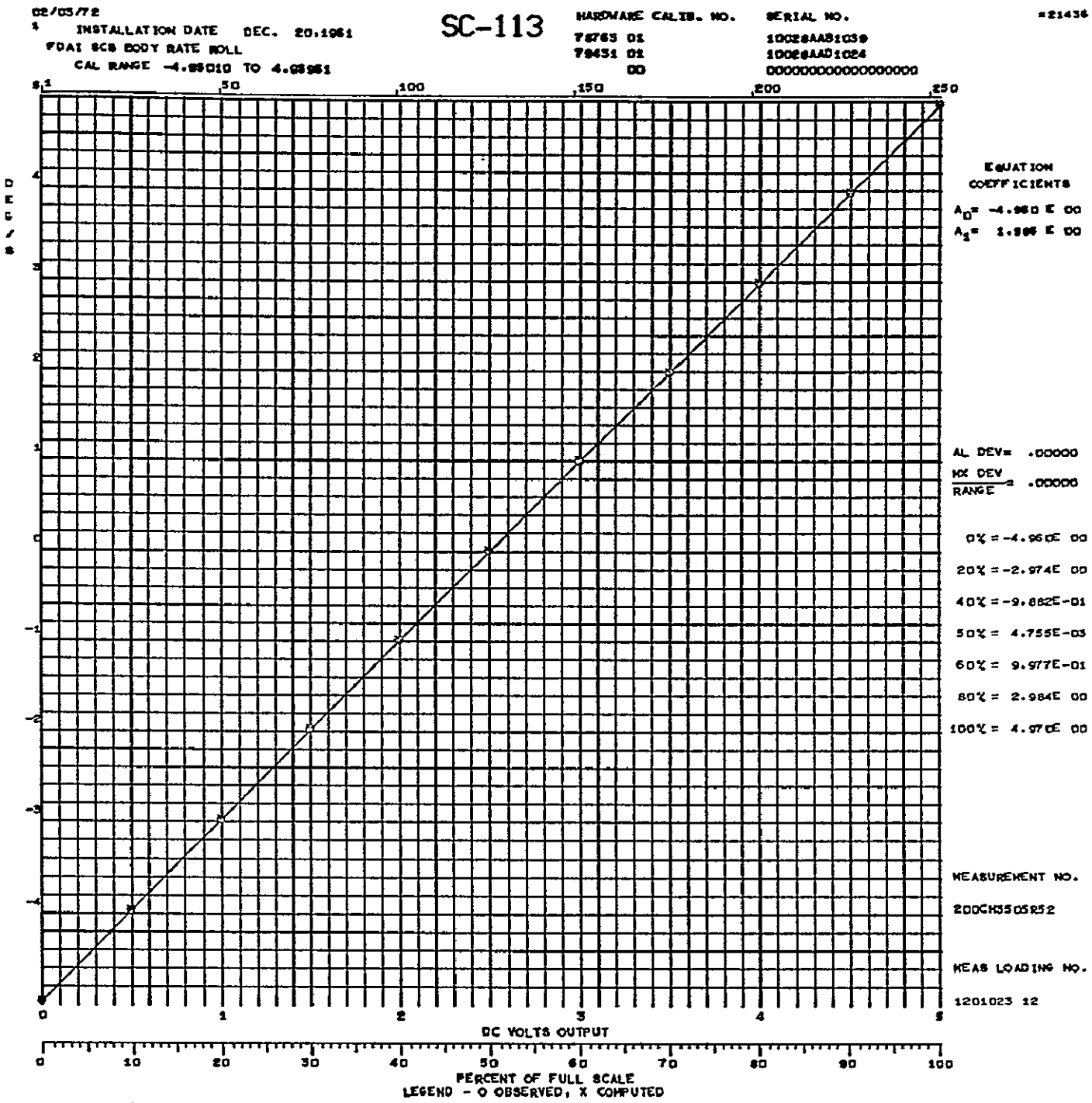


This is a multiple mode measurement. It is four of six options. See FDIA Event Correlation on page 4-5.

Reproduced from best available copy.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 12/23/71
MEASUREMENT C H3505 R - 42. 2. CALIBRATED 12/20/71
HARDWARE NUMBERS 79762- 1. VS. 79430- 1.

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-0.9933	38	-0.7029	75	-0.4124	112	-0.1220	149	0.1684	186	0.4589	223	0.7493
2	-0.9855	39	-0.6950	76	-0.4046	113	-0.1141	150	0.1763	187	0.4667	224	0.7572
3	-0.9776	40	-0.6872	77	-0.3967	114	-0.1063	151	0.1841	188	0.4746	225	0.7650
4	-0.9698	41	-0.6793	78	-0.3889	115	-0.0984	152	0.1920	189	0.4824	226	0.7729
5	-0.9619	42	-0.6715	79	-0.3810	116	-0.0906	153	0.1998	190	0.4903	227	0.7807
6	-0.9541	43	-0.6636	80	-0.3732	117	-0.0827	154	0.2077	191	0.4981	228	0.7886
7	-0.9462	44	-0.6558	81	-0.3653	118	-0.0749	155	0.2155	192	0.5060	229	0.7964
8	-0.9384	45	-0.6479	82	-0.3575	119	-0.0670	156	0.2234	193	0.5138	230	0.8043
9	-0.9305	46	-0.6401	83	-0.3496	120	-0.0592	157	0.2312	194	0.5217	231	0.8121
10	-0.9227	47	-0.6322	84	-0.3418	121	-0.0513	158	0.2391	195	0.5295	232	0.8200
11	-0.9148	48	-0.6244	85	-0.3339	122	-0.0435	159	0.2469	196	0.5374	233	0.8278
12	-0.9070	49	-0.6165	86	-0.3261	123	-0.0356	160	0.2548	197	0.5452	234	0.8357
13	-0.8991	50	-0.6087	87	-0.3182	124	-0.0278	161	0.2626	198	0.5531	235	0.8435
14	-0.8913	51	-0.6008	88	-0.3104	125	-0.0199	162	0.2705	199	0.5609	236	0.8514
15	-0.8834	52	-0.5930	89	-0.3025	126	-0.0121	163	0.2783	200	0.5688	237	0.8592
16	-0.8756	53	-0.5851	90	-0.2947	127	-0.0042	164	0.2862	201	0.5766	238	0.8671
17	-0.8677	54	-0.5773	91	-0.2868	128	0.0036	165	0.2940	202	0.5845	239	0.8749
18	-0.8599	55	-0.5694	92	-0.2790	129	0.0115	166	0.3019	203	0.5923	240	0.8828
19	-0.8520	56	-0.5616	93	-0.2711	130	0.0193	167	0.3097	204	0.6002	241	0.8906
20	-0.8442	57	-0.5537	94	-0.2633	131	0.0272	168	0.3176	205	0.6080	242	0.8985
21	-0.8363	58	-0.5459	95	-0.2554	132	0.0350	169	0.3254	206	0.6159	243	0.9063
22	-0.8285	59	-0.5380	96	-0.2476	133	0.0429	170	0.3333	207	0.6237	244	0.9142
23	-0.8206	60	-0.5302	97	-0.2397	134	0.0507	171	0.3411	208	0.6316	245	0.9220
24	-0.8128	61	-0.5223	98	-0.2319	135	0.0586	172	0.3490	209	0.6394	246	0.9299
25	-0.8049	62	-0.5145	99	-0.2240	136	0.0664	173	0.3568	210	0.6473	247	0.9377
26	-0.7971	63	-0.5066	100	-0.2162	137	0.0743	174	0.3647	211	0.6551	248	0.9456
27	-0.7892	64	-0.4988	101	-0.2083	138	0.0821	175	0.3725	212	0.6630	249	0.9534
28	-0.7814	65	-0.4909	102	-0.2005	139	0.0900	176	0.3804	213	0.6708	250	0.9613
29	-0.7735	66	-0.4831	103	-0.1926	140	0.0978	177	0.3882	214	0.6787	251	0.9691
30	-0.7657	67	-0.4752	104	-0.1848	141	0.1056	178	0.3961	215	0.6865	252	0.9770
31	-0.7578	68	-0.4674	105	-0.1769	142	0.1135	179	0.4039	216	0.6944	253	0.9848
32	-0.7500	69	-0.4595	106	-0.1691	143	0.1213	180	0.4118	217	0.7022	254	0.9927
33	-0.7421	70	-0.4517	107	-0.1612	144	0.1292	181	0.4196	218	0.7101		
34	-0.7343	71	-0.4438	108	-0.1534	145	0.1370	182	0.4275	219	0.7179		
35	-0.7264	72	-0.4360	109	-0.1455	146	0.1449	183	0.4353	220	0.7258		
36	-0.7186	73	-0.4281	110	-0.1377	147	0.1527	184	0.4432	221	0.7336		
37	-0.7107	74	-0.4203	111	-0.1298	148	0.1606	185	0.4510	222	0.7415		



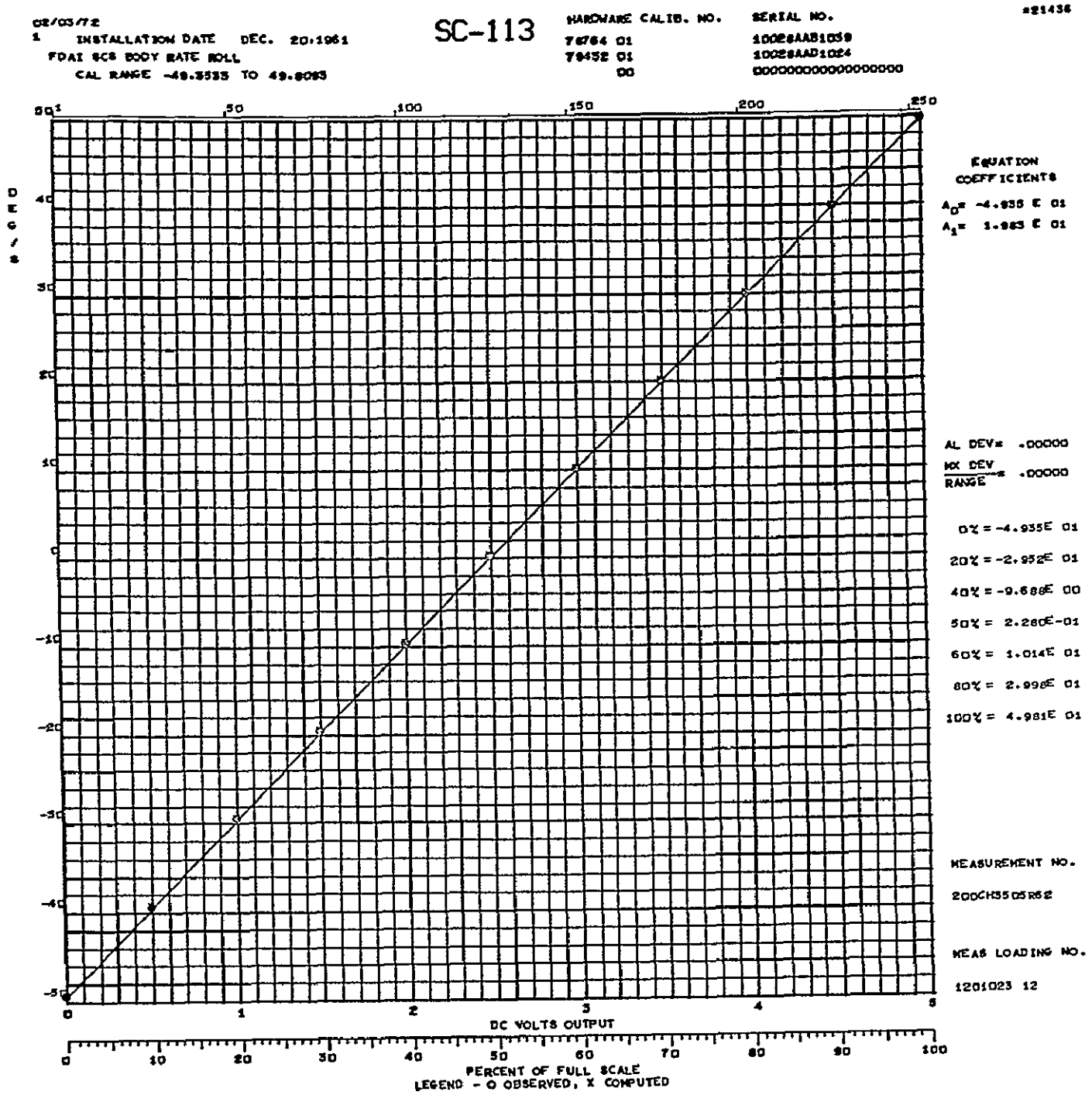
This is a multiple mode measurement. It is five of six options.
See FDIA Event Correlation on page 4-5.

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 2000H550R52
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-4.950	38	-3.508	75	-2.056	112	-0.604	149	0.849	185	2.301	223	3.753
2	-4.921	39	-3.469	76	-2.017	113	-0.554	150	0.888	187	2.340	224	3.792
3	-4.882	40	-3.429	77	-1.977	114	-0.525	151	0.927	188	2.379	225	3.831
4	-4.842	41	-3.390	78	-1.938	115	-0.485	152	0.956	189	2.416	226	3.871
5	-4.803	42	-3.351	79	-1.899	116	-0.447	153	1.005	190	2.456	227	3.910
6	-4.764	43	-3.312	80	-1.860	117	-0.407	154	1.045	191	2.497	228	3.949
7	-4.725	44	-3.272	81	-1.820	118	-0.356	155	1.084	192	2.536	229	3.988
8	-4.685	45	-3.235	82	-1.781	119	-0.329	156	1.123	195	2.575	230	4.028
9	-4.646	46	-3.194	83	-1.742	120	-0.290	157	1.163	194	2.615	231	4.067
10	-4.607	47	-3.155	84	-1.705	121	-0.250	158	1.202	195	2.654	232	4.105
11	-4.568	48	-3.115	85	-1.663	122	-0.211	159	1.241	195	2.693	233	4.145
12	-4.528	49	-3.076	86	-1.624	123	-0.172	160	1.280	197	2.732	234	4.185
13	-4.489	50	-3.037	87	-1.585	124	-0.133	161	1.320	198	2.772	235	4.224
14	-4.450	51	-2.998	88	-1.546	125	-0.093	162	1.359	199	2.811	236	4.263
15	-4.411	52	-2.958	89	-1.506	126	-0.054	163	1.398	200	2.850	237	4.302
16	-4.371	53	-2.919	90	-1.467	127	-0.015	164	1.437	201	2.889	238	4.342
17	-4.332	54	-2.880	91	-1.428	128	0.024	165	1.477	202	2.929	239	4.381
18	-4.293	55	-2.841	92	-1.389	129	0.064	166	1.516	205	2.968	240	4.420
19	-4.254	56	-2.801	93	-1.349	130	0.103	167	1.555	204	3.007	241	4.459
20	-4.214	57	-2.762	94	-1.310	131	0.142	168	1.594	205	3.046	242	4.499
21	-4.175	58	-2.723	95	-1.271	132	0.181	169	1.634	206	3.085	243	4.538
22	-4.136	59	-2.684	96	-1.232	133	0.221	170	1.673	207	3.125	244	4.577
23	-4.097	60	-2.644	97	-1.192	134	0.260	171	1.712	208	3.164	245	4.616
24	-4.057	61	-2.605	98	-1.153	135	0.299	172	1.751	209	3.203	246	4.656
25	-4.018	62	-2.565	99	-1.114	136	0.338	173	1.791	210	3.243	247	4.695
26	-3.979	63	-2.527	100	-1.075	137	0.378	174	1.830	211	3.282	248	4.734
27	-3.940	64	-2.487	101	-1.035	138	0.417	175	1.869	212	3.321	249	4.773
28	-3.900	65	-2.448	102	-0.995	139	0.456	176	1.908	213	3.360	250	4.813
29	-3.861	66	-2.409	103	-0.957	140	0.495	177	1.948	214	3.400	251	4.852
30	-3.822	67	-2.370	104	-0.918	141	0.535	178	1.987	215	3.439	252	4.891
31	-3.783	68	-2.330	105	-0.878	142	0.574	179	2.026	216	3.478	253	4.930
32	-3.743	69	-2.291	106	-0.839	143	0.613	180	2.065	217	3.517	254	4.970
33	-3.704	70	-2.252	107	-0.800	144	0.652	181	2.105	218	3.557		
34	-3.665	71	-2.213	108	-0.761	145	0.692	182	2.144	219	3.595		
35	-3.625	72	-2.174	109	-0.721	146	0.731	183	2.183	220	3.635		
36	-3.586	73	-2.134	110	-0.682	147	0.770	184	2.222	221	3.674		
37	-3.547	74	-2.095	111	-0.643	148	0.809	185	2.262	222	3.714		



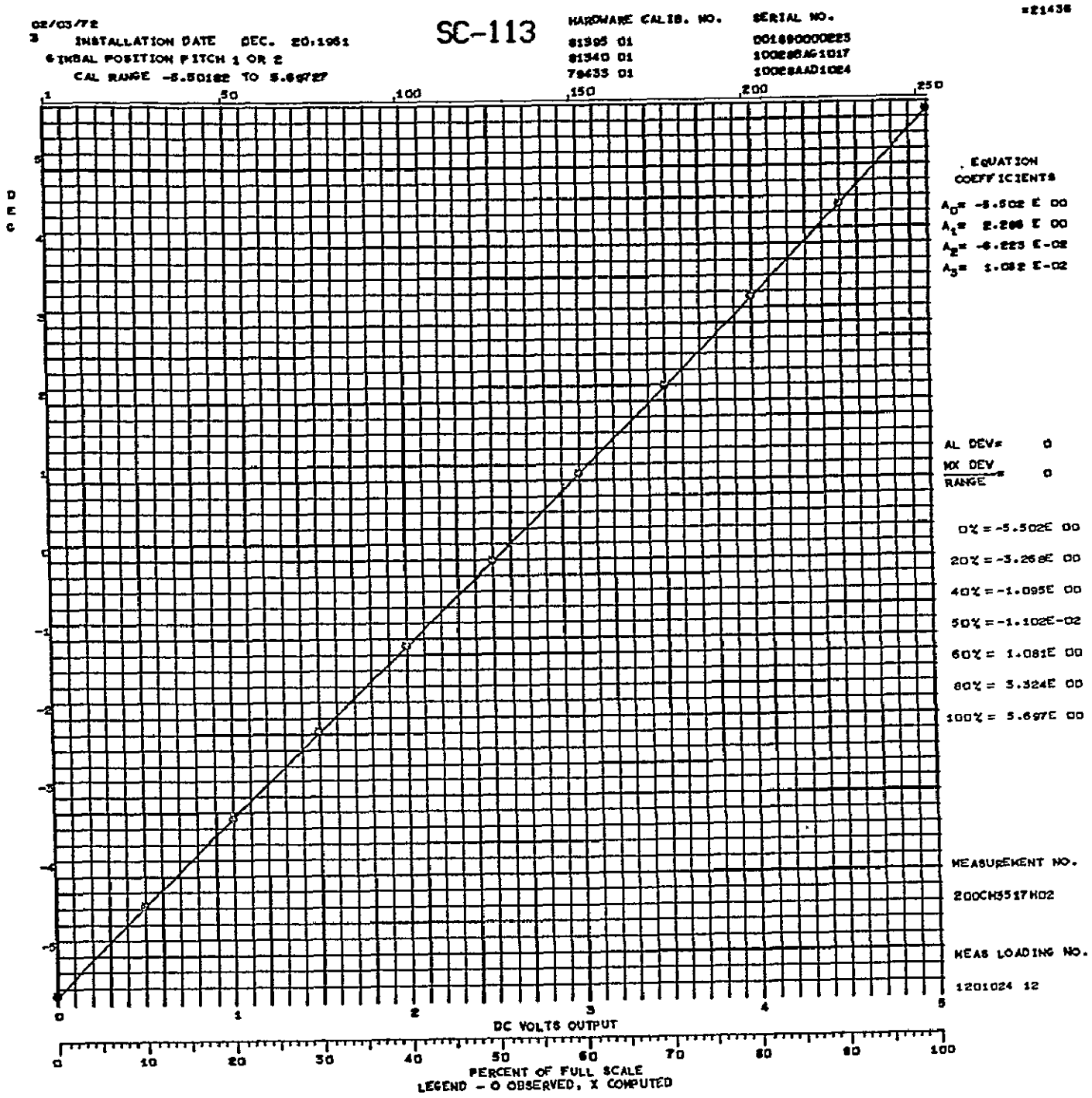
This is a multiple mode measurement. It is six of six options.
See FDIA Event Correlation on page 4-5.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

FDAI SCS BODY RATE ROLL

MEASUREMENT NO. 200CH55C5R52
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAB1039
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/61

CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S	CNT	DEG/S
1	-49.555	38	-34.851	75	-20.349	112	-5.847	149	8.655	186	23.157	223	37.659
2	-49.351	39	-34.439	76	-19.957	113	-5.455	150	9.047	187	23.549	224	38.051
3	-48.959	40	-34.087	77	-19.565	114	-5.053	151	9.439	188	23.941	225	38.443
4	-48.177	41	-33.675	78	-19.173	115	-4.671	152	9.831	189	24.333	226	38.835
5	-47.765	42	-33.283	79	-18.781	116	-4.279	153	10.223	190	24.725	227	39.227
6	-47.394	43	-32.891	80	-18.389	117	-3.887	154	10.615	191	25.117	228	39.619
7	-47.002	44	-32.500	81	-17.997	118	-3.495	155	11.007	192	25.509	229	40.011
8	-46.610	45	-32.108	82	-17.605	119	-3.104	156	11.399	193	25.901	230	40.405
9	-46.218	46	-31.716	83	-17.214	120	-2.712	157	11.790	194	26.293	231	40 795
10	-45.826	47	-31.324	84	-16.822	121	-2.320	158	12.182	195	26.684	232	41.187
11	-45.434	48	-30.932	85	-16.430	122	-1.928	159	12.574	196	27.076	233	41.579
12	-45.042	49	-30.540	86	-16.038	123	-1.536	160	12.966	197	27.468	234	41.970
13	-44.650	50	-30.148	87	-15.646	124	-1.144	161	13.358	198	27.860	235	42.362
14	-44.258	51	-29.756	88	-15.254	125	-0.752	162	13.750	199	28.252	236	42.754
15	-43.866	52	-29.364	89	-14.862	126	-0.360	163	14.142	200	28.644	237	43.146
16	-43.474	53	-28.972	90	-14.470	127	0.052	164	14.534	201	29.036	238	43.538
17	-43.082	54	-28.580	91	-14.078	128	0.424	165	14.926	202	29.428	239	43.930
18	-42.690	55	-28.188	92	-13.686	129	0.816	166	15.318	203	29.820	240	44.322
19	-42.298	56	-27.796	93	-13.294	130	1.208	167	15.710	204	30.212	241	44.714
20	-41.905	57	-27.404	94	-12.902	131	1.600	168	16.102	205	30.604	242	45.106
21	-41.514	58	-27.012	95	-12.510	132	1.992	169	16.494	206	30.996	243	45.498
22	-41.122	59	-26.620	96	-12.118	133	2.384	170	16.886	207	31.388	244	45.890
23	-40.730	60	-26.228	97	-11.726	134	2.776	171	17.278	208	31.780	245	46.282
24	-40.338	61	-25.836	98	-11.334	135	3.168	172	17.670	209	32.172	246	46.674
25	-39.947	62	-25.444	99	-10.942	136	3.560	173	18.062	210	32.564	247	47.066
26	-39.555	63	-25.053	100	-10.551	137	3.952	174	18.454	211	32.956	248	47.458
27	-39.163	64	-24.661	101	-10.159	138	4.343	175	18.846	212	33.348	249	47.850
28	-38.771	65	-24.269	102	-9.767	139	4.735	176	19 237	213	33.740	250	48.242
29	-38.379	66	-23.877	103	-9.375	140	5.127	177	19.629	214	34.131	251	48.634
30	-37.987	67	-23.485	104	-8.983	141	5.519	178	20.021	215	34.523	252	49.025
31	-37.595	68	-23.093	105	-8.591	142	5.911	179	20.413	216	34.915	253	49.417
32	-37.205	69	-22.701	106	-8.199	143	6.303	180	20.805	217	35.307	254	49.809
33	-36.811	70	-22.309	107	-7.807	144	6.695	181	21.197	218	35.699		
34	-36.419	71	-21.917	108	-7.415	145	7.087	182	21.589	219	36.091		
35	-36.027	72	-21.525	109	-7.023	146	7.479	183	21.981	220	36.483		
36	-35.635	73	-21.133	110	-6.631	147	7.871	184	22.373	221	36.875		
37	-35.243	74	-20.741	111	-6.239	148	8.263	185	22.765	222	37.267		

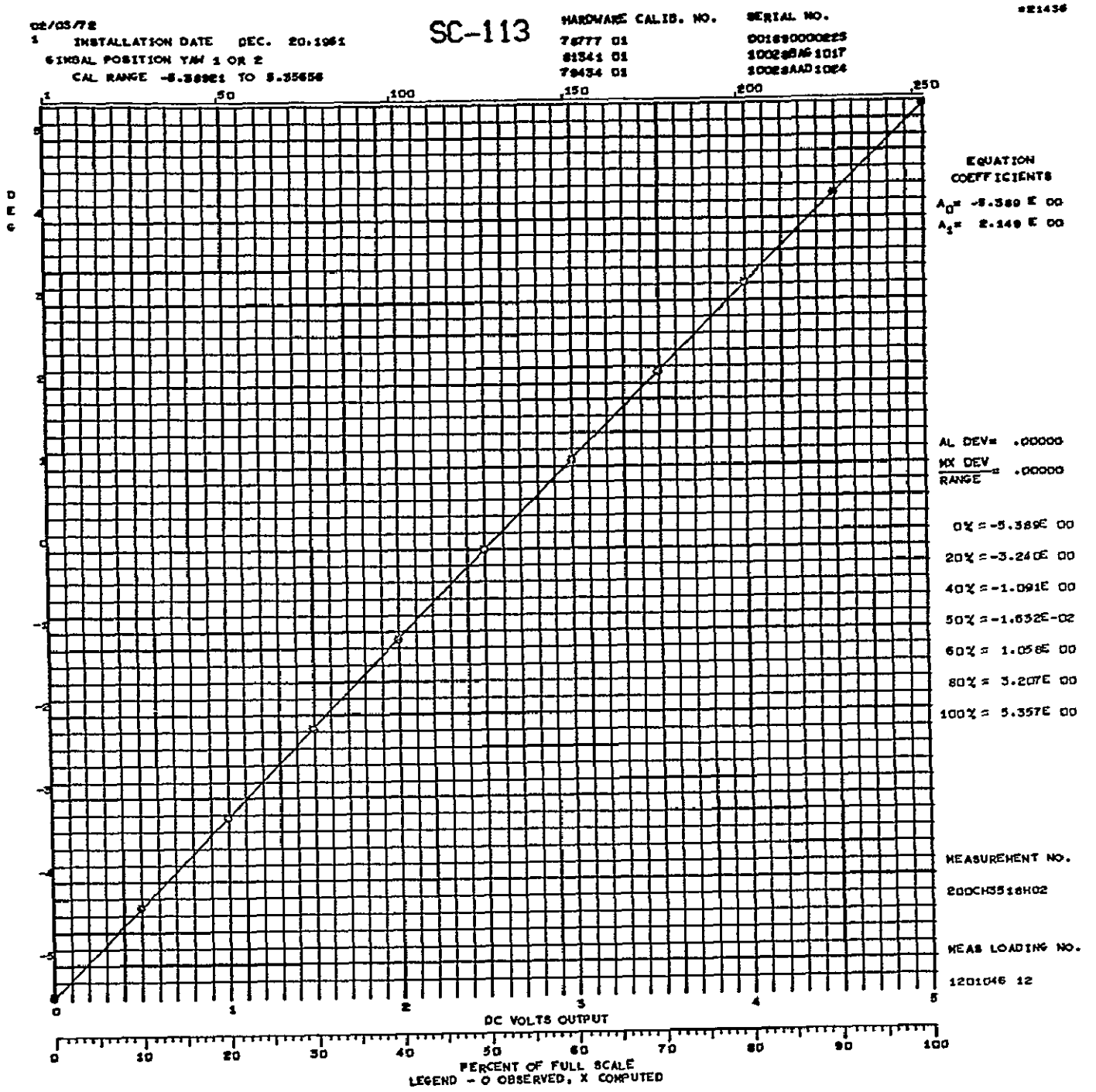

02/03/72
3 INSTALLATION DATE DEC. 20,1961
6 INBAL POSITION PITCH 1 OR 2
CAL RANGE -5.50122 TO 5.69727
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
81395 01
81340 01
79435 01
001890000E25
100E8AG1017
100E8AAD10E4
#21436
EQUATION COEFFICIENTS
A0= -5.502 E 00
A1= 2.298 E 00
A2= -6.225 E-02
A3= 1.082 E-02
AL DEV= 0
MX DEV / RANGE = 0
0% = -5.502E 00
20% = -3.268E 00
40% = -1.095E 00
50% = -1.102E-02
60% = 1.081E 00
80% = 3.324E 00
100% = 5.697E 00
MEASUREMENT NO.
200CM5517H02
MEAS LOADING NO.
1201024 12
DEC
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

GIMBAL POSITION PITCH 1 OR 2

MEASUREMENT NO. 200CH8517H02
VEHICLE SC-115
TRANSDUCER SERIAL NO. 001690000225
SIGNAL CONDITIONER SERIAL NO. 10028AG1017
AUXILIARY COMPONENT SERIAL NO. 10028AAD1024
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.502	38	-3.650	75	-2.259	112	-0.675	149	0.916	186	2.541	223	4.224
2	-5.457	39	-3.615	76	-2.215	113	-0.633	150	0.960	187	2.586	224	4.271
3	-5.412	40	-3.772	77	-2.173	114	-0.590	151	1.005	188	2.631	225	4.318
4	-5.367	41	-3.729	78	-2.131	115	-0.547	152	1.047	189	2.675	226	4.364
5	-5.322	42	-3.686	79	-2.088	116	-0.504	153	1.090	190	2.720	227	4.411
6	-5.277	43	-3.642	80	-2.045	117	-0.461	154	1.134	191	2.765	228	4.458
7	-5.232	44	-3.598	81	-2.002	118	-0.419	155	1.177	192	2.810	229	4.504
8	-5.187	45	-3.554	82	-1.959	119	-0.376	156	1.221	193	2.855	230	4.551
9	-5.142	46	-3.511	83	-1.916	120	-0.333	157	1.264	194	2.900	231	4.598
10	-5.097	47	-3.468	84	-1.873	121	-0.290	158	1.308	195	2.945	232	4.645
11	-5.052	48	-3.424	85	-1.831	122	-0.247	159	1.351	196	2.990	233	4.692
12	-5.006	49	-3.381	86	-1.788	123	-0.204	160	1.395	197	3.035	234	4.740
13	-4.965	50	-3.337	87	-1.745	124	-0.161	161	1.439	198	3.080	235	4.787
14	-4.919	51	-3.294	88	-1.702	125	-0.118	162	1.482	199	3.125	236	4.834
15	-4.874	52	-3.251	89	-1.659	126	-0.075	163	1.526	200	3.170	237	4.881
16	-4.829	53	-3.207	90	-1.617	127	-0.032	164	1.570	201	3.215	238	4.929
17	-4.785	54	-3.164	91	-1.574	128	0.010	165	1.614	202	3.261	239	4.976
18	-4.741	55	-3.121	92	-1.531	129	0.053	166	1.657	203	3.306	240	5.024
19	-4.696	56	-3.077	93	-1.488	130	0.096	167	1.701	204	3.351	241	5.072
20	-4.652	57	-3.034	94	-1.445	131	0.139	168	1.745	205	3.397	242	5.119
21	-4.608	58	-2.991	95	-1.403	132	0.182	169	1.789	206	3.442	243	5.167
22	-4.563	59	-2.948	96	-1.360	133	0.225	170	1.833	207	3.488	244	5.215
23	-4.519	60	-2.905	97	-1.317	134	0.268	171	1.877	208	3.534	245	5.263
24	-4.475	61	-2.861	98	-1.274	135	0.312	172	1.921	209	3.579	246	5.311
25	-4.431	62	-2.818	99	-1.232	136	0.355	173	1.965	210	3.625	247	5.359
26	-4.387	63	-2.775	100	-1.189	137	0.398	174	2.009	211	3.671	248	5.407
27	-4.342	64	-2.732	101	-1.146	138	0.441	175	2.053	212	3.717	249	5.455
28	-4.298	65	-2.689	102	-1.103	139	0.484	176	2.098	213	3.762	250	5.503
29	-4.254	66	-2.646	103	-1.061	140	0.527	177	2.142	214	3.808	251	5.552
30	-4.210	67	-2.603	104	-1.018	141	0 570	178	2.186	215	3.854	252	5.600
31	-4.166	68	-2.560	105	-0.975	142	0.613	179	2.230	216	3.900	253	5.649
32	-4.123	69	-2.517	106	-0.932	143	0.657	180	2.275	217	3.947	254	5.697
33	-4.079	70	-2.474	107	-0.889	144	0.700	181	2.319	218	3.993		
34	-4.035	71	-2.431	108	-0.847	145	0.743	182	2.363	219	4.039		
35	-3.991	72	-2.388	109	-0.804	146	0.786	183	2.408	220	4.086		
36	-3.947	73	-2.345	110	-0.761	147	0.830	184	2.452	221	4.132		
37	-3.905	74	-2.302	111	-0.718	148	0.873	185	2.497	222	4.178		

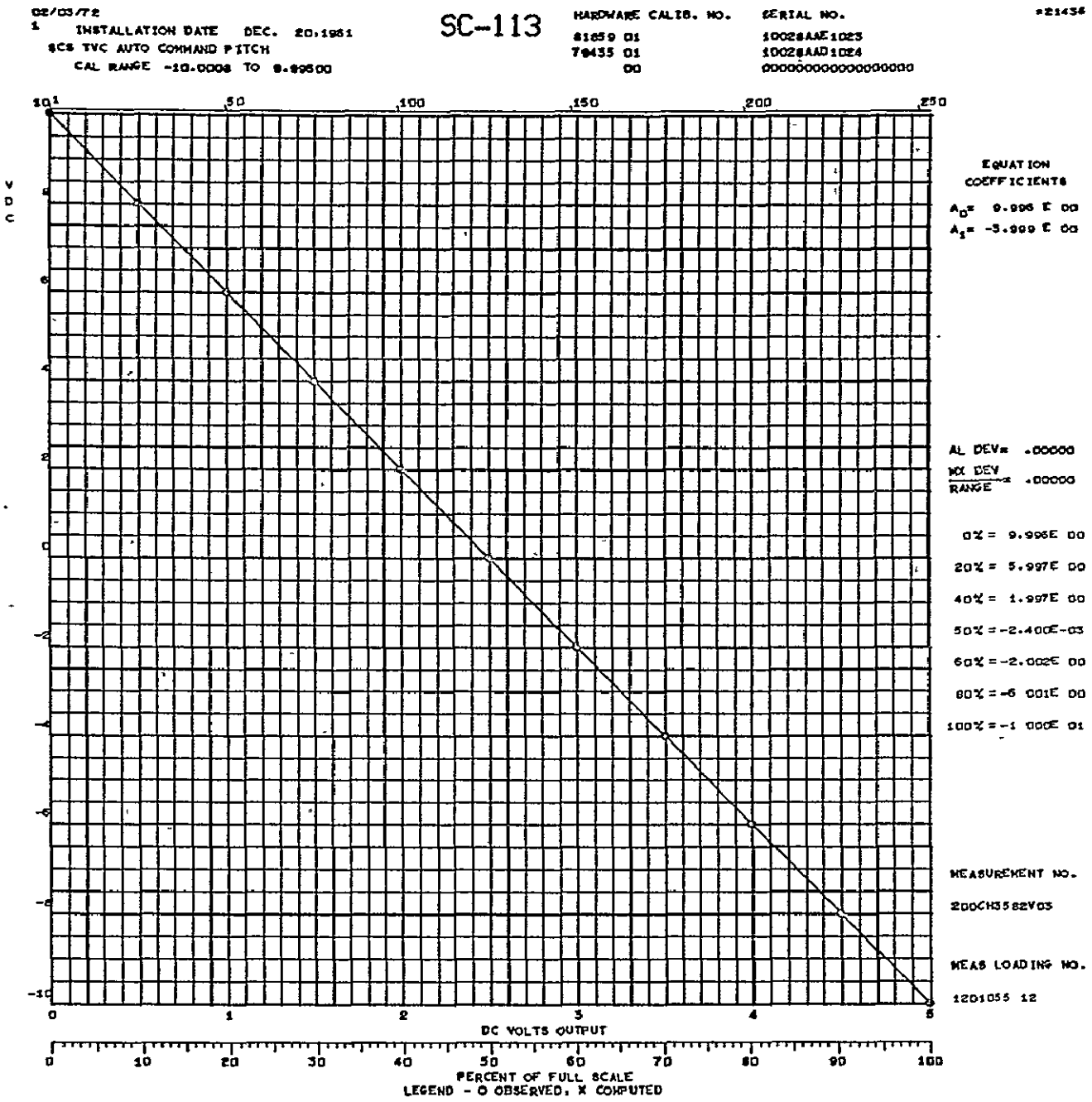

02/05/72
1 INSTALLATION DATE DEC. 20.1961
SINGAL POSITION YAW 1 OR 2
CAL RANGE -5.38961 TO 5.35656
SC-113
HARDWARE CALIB. NO.
76777 01
81341 01
79434 01
SERIAL NO.
001690000825
1002SAG1017
1002SAAD1024
*21436
EQUATION COEFFICIENTS
A0= -5.389 E 00
A1= 2.149 E 00
AL DEV= .00000
MX DEV / RANGE= .00000
0% = -5.389E 00
20% = -3.240E 00
40% = -1.091E 00
50% = -1.632E-02
60% = 1.056E 00
80% = 3.207E 00
100% = 5.357E 00
MEASUREMENT NO.
200CH5516H02
MEAS LOADING NO.
1201046 12
DEG
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

GIMBAL POSITION YAW 1 OR 2

MEASUREMENT NO. 200CH3518H02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 001690000225
SIGNAL CONDITIONER SERIAL NO. 1002SBAG1017
AUXILIARY COMPONENT SERIAL NO. 1002SAAD1024
CALIBRATION DATE 12/20/81

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-5.389	38	-3.818	75	-2.246	112	-0.675	149	0.897	186	2.468	223	4.040
2	-5.347	39	-3.775	76	-2.204	113	-0.632	150	0.939	187	2.511	224	4.082
3	-5.304	40	-3.733	77	-2.161	114	-0.590	151	0.982	188	2.553	225	4.125
4	-5.262	41	-3.690	78	-2.119	115	-0.547	152	1.024	189	2.596	226	4.167
5	-5.219	42	-3.648	79	-2.076	116	-0.505	153	1.067	190	2.638	227	4.210
6	-5.177	43	-3.605	80	-2.034	117	-0.462	154	1.109	191	2.681	228	4.252
7	-5.134	44	-3.563	81	-1.991	118	-0.420	155	1.152	192	2.723	229	4.295
8	-5.092	45	-3.520	82	-1.949	119	-0.377	156	1.194	193	2.766	230	4.337
9	-5.049	46	-3.478	83	-1.906	120	-0.335	157	1.237	194	2.808	231	4.380
10	-5.007	47	-3.435	84	-1.864	121	-0.292	158	1.279	195	2.851	232	4.422
11	-4.964	48	-3.393	85	-1.821	122	-0.250	159	1.322	196	2.893	233	4.465
12	-4.922	49	-3.350	86	-1.779	123	-0.207	160	1.364	197	2.936	234	4.507
13	-4.880	50	-3.308	87	-1.736	124	-0.165	161	1.407	198	2.978	235	4.550
14	-4.837	51	-3.266	88	-1 694	125	-0.123	162	1.449	199	3.021	236	4.592
15	-4.795	52	-3.223	89	-1.652	126	-0.080	163	1.491	200	3.063	237	4.635
16	-4.752	53	-3.181	90	-1.609	127	-0.038	164	1.534	201	3.105	238	4.677
17	-4.710	54	-3.138	91	-1.567	128	0.005	165	1.576	202	3.148	239	4.719
18	-4.667	55	-3.095	92	-1.524	129	0.047	166	1.619	203	3.190	240	4.762
19	-4.625	56	-3.053	93	-1.482	130	0.090	167	1.661	204	3.233	241	4.804
20	-4.582	57	-3.011	94	-1.439	131	0.132	168	1.704	205	3.275	242	4.847
21	-4.540	58	-2.968	95	-1.397	132	0.175	169	1.746	206	3.318	243	4.889
22	-4.497	59	-2.926	96	-1.354	133	0.217	170	1.789	207	3.360	244	4.932
23	-4.455	60	-2.883	97	-1.312	134	0.260	171	1.831	208	3.403	245	4.974
24	-4.412	61	-2.841	98	-1.269	135	0.302	172	1.874	209	3.445	246	5.017
25	-4.370	62	-2.798	99	-1.227	136	0.345	173	1.916	210	3.488	247	5.059
26	-4.327	63	-2.756	100	-1.184	137	0.387	174	1.959	211	3.530	248	5.102
27	-4.285	64	-2.713	101	-1.142	138	0.430	175	2.001	212	3.573	249	5.144
28	-4.242	65	-2.671	102	-1.099	139	0.472	176	2.044	213	3.615	250	5.187
29	-4.200	66	-2.628	103	-1.057	140	0.515	177	2.086	214	3.658	251	5.229
30	-4.157	67	-2.586	104	-1.014	141	0.557	178	2.129	215	3.700	252	5.272
31	-4.115	68	-2.543	105	-0.972	142	0 600	179	2.171	216	3.743	253	5.314
32	-4.073	69	-2.501	106	-0.930	143	0.642	180	2.214	217	3.786	254	5.357
33	-4.030	70	-2.459	107	-0.887	144	0.684	181	2.256	218	3.828		
34	-3.988	71	-2.416	108	-0.845	145	0.727	182	2.298	219	3.870		
35	-3.945	72	-2.374	109	-0.802	146	0.769	183	2 341	220	3.912		
36	-3.903	73	-2.331	110	-0.760	147	0.812	184	2 383	221	3.955		
37	-3.860	74	-2.289	111	-0.717	148	0.854	185	2.426	222	3.997		



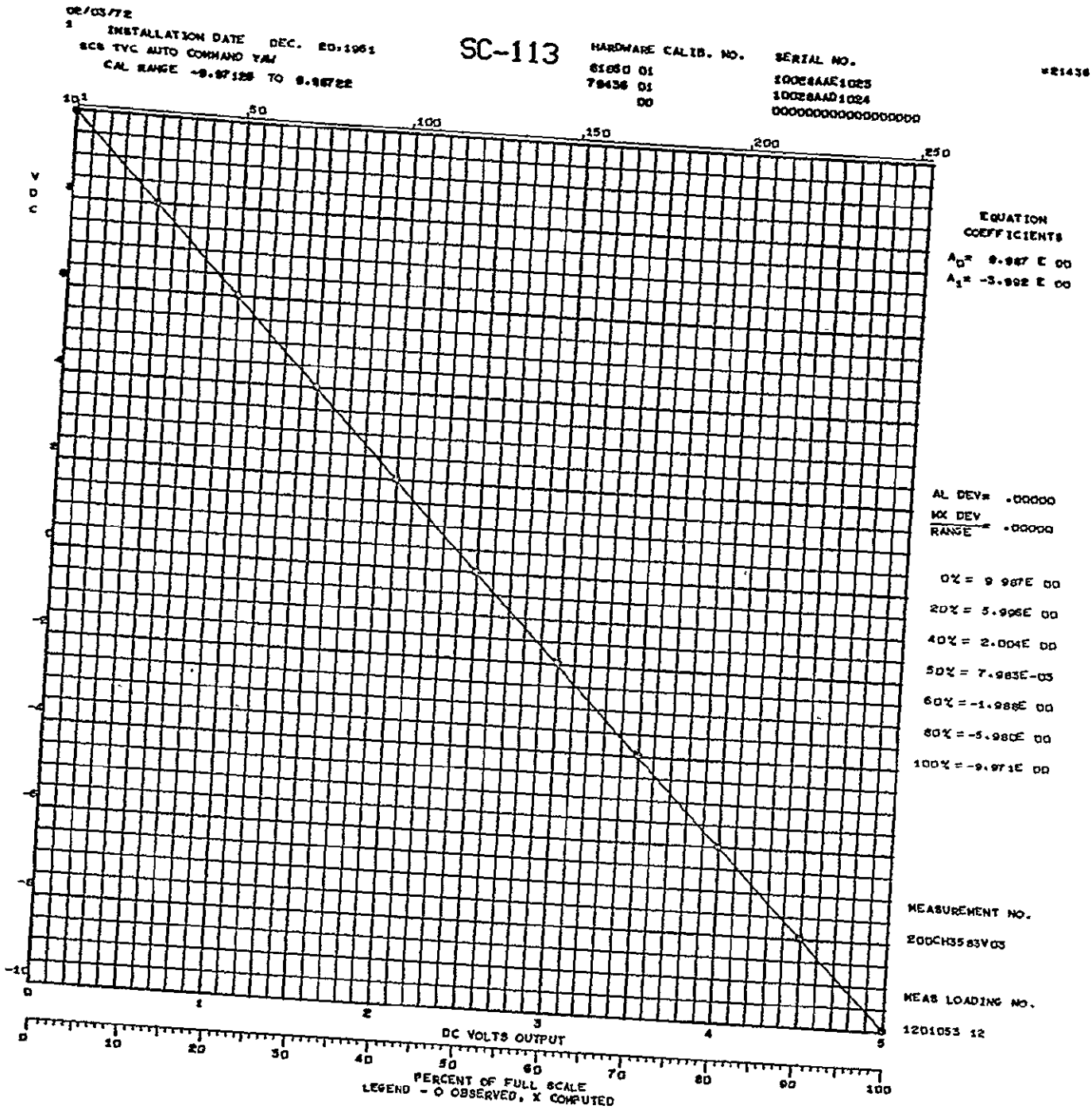
The ordinate of this measurement is labeled in volts dc. One volt equals one degree for conversion purpose.

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

SCS TVC AUTO COMMAND PITCH

MEASUREMENT NO. 200CH8582V05
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AME1023
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 00000000000000000000
CALIBRATION DATE 12/20/81

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	9.996	38	7.072	75	4.147	112	1.223	149	-1.702	186	-4.628	223	-7.551
2	9.917	39	6.993	76	4.068	113	1.144	150	-1.781	187	-4.705	224	-7.630
3	9.838	40	6.913	77	3.989	114	1.065	151	-1.860	188	-4.784	225	-7.709
4	9.759	41	6.834	78	3.910	115	0.985	152	-1.939	189	-4.863	226	-7.788
5	9.680	42	6.755	79	3.831	116	0.907	153	-2.018	190	-4.942	227	-7.867
6	9.601	43	6.676	80	3.752	117	0.828	154	-2.097	191	-5.021	228	-7.946
7	9.522	44	6.597	81	3.673	118	0.748	155	-2.176	192	-5.100	229	-8.025
8	9.443	45	6.518	82	3.594	119	0.669	156	-2.255	193	-5.179	230	-8.104
9	9.364	46	6.439	83	3.515	120	0.590	157	-2.334	194	-5.258	231	-8.183
10	9.285	47	6.360	84	3.436	121	0.511	158	-2.413	195	-5.338	232	-8.262
11	9.206	48	6.281	85	3.357	122	0.432	159	-2.492	196	-5.417	233	-8.341
12	9.127	49	6.202	86	3.278	123	0.353	160	-2.571	197	-5.496	234	-8.420
13	9.048	50	6.123	87	3.199	124	0.274	161	-2.650	198	-5.575	235	-8.499
14	8.968	51	6.044	88	3.120	125	0.195	162	-2.729	199	-5.654	236	-8.578
15	8.889	52	5.965	89	3.041	126	0.116	163	-2.808	200	-5.733	237	-8.657
16	8.810	53	5.886	90	2.962	127	0.037	164	-2.887	201	-5.812	238	-8.736
17	8.731	54	5.807	91	2.883	128	-0.042	165	-2.966	202	-5.891	239	-8.815
18	8.652	55	5.728	92	2.803	129	-0.121	166	-3.045	203	-5.970	240	-8.894
19	8.573	56	5.649	93	2.724	130	-0.200	167	-3.124	204	-6.049	241	-8.973
20	8.494	57	5.570	94	2.645	131	-0.279	168	-3.203	205	-6.128	242	-9.052
21	8.415	58	5.491	95	2.565	132	-0.358	169	-3.283	206	-6.207	243	-9.131
22	8.335	59	5.412	96	2.487	133	-0.437	170	-3.362	207	-6.286	244	-9.210
23	8.257	60	5.333	97	2.408	134	-0.516	171	-3.441	208	-6.365	245	-9.289
24	8.178	61	5.254	98	2.329	135	-0.595	172	-3.520	209	-6.444	246	-9.368
25	8.099	62	5.175	99	2.250	136	-0.674	173	-3.599	210	-6.523	247	-9.448
26	8.020	63	5.096	100	2.171	137	-0.753	174	-3.678	211	-6.602	248	-9.527
27	7.941	64	5.017	101	2.092	138	-0.832	175	-3.757	212	-6.681	249	-9.606
28	7.862	65	4.938	102	2.013	139	-0.911	176	-3.836	213	-6.760	250	-9.685
29	7.783	66	4.858	103	1.934	140	-0.990	177	-3.915	214	-6.839	251	-9.764
30	7.704	67	4.779	104	1.855	141	-1.069	178	-3.994	215	-6.918	252	-9.843
31	7.625	68	4.700	105	1.776	142	-1.148	179	-4.073	216	-6.997	253	-9.922
32	7.546	69	4.621	106	1.697	143	-1.227	180	-4.152	217	-7.076	254	-10.001
33	7.467	70	4.542	107	1.618	144	-1.307	181	-4.231	218	-7.155		
34	7.388	71	4.463	108	1.539	145	-1.386	182	-4.310	219	-7.234		
35	7.309	72	4.384	109	1.460	146	-1.465	183	-4.389	220	-7.313		
36	7.230	73	4.305	110	1.381	147	-1.544	184	-4.468	221	-7.393		
37	7.151	74	4.226	111	1.302	148	-1.623	185	-4.547	222	-7.472		


08/03/72
1 INSTALLATION DATE DEC. 20:1961
SCS TVC AUTO COMMAND YAW
CAL RANGE -9.97188 TO 9.98722
SC-113
HARDWARE CALIB. NO.
61650 01
79436 01
00
SERIAL NO.
1002EAAE1025
1002EAAD1024
0000000000000000000
#21436
EQUATION COEFFICIENTS
A_0= 9.987 E 00
A_1= -3.992 E 00
AL DEV= .00000
MX DEV / RANGE = .00000
0% = 9.987E 00
20% = 5.996E 00
40% = 2.004E 00
50% = 7.983E-03
60% = -1.988E 00
80% = -5.980E 00
100% = -9.971E 00
MEASUREMENT NO.
200CH3583V03
MEAS LOADING NO.
1201053 12
VDC
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

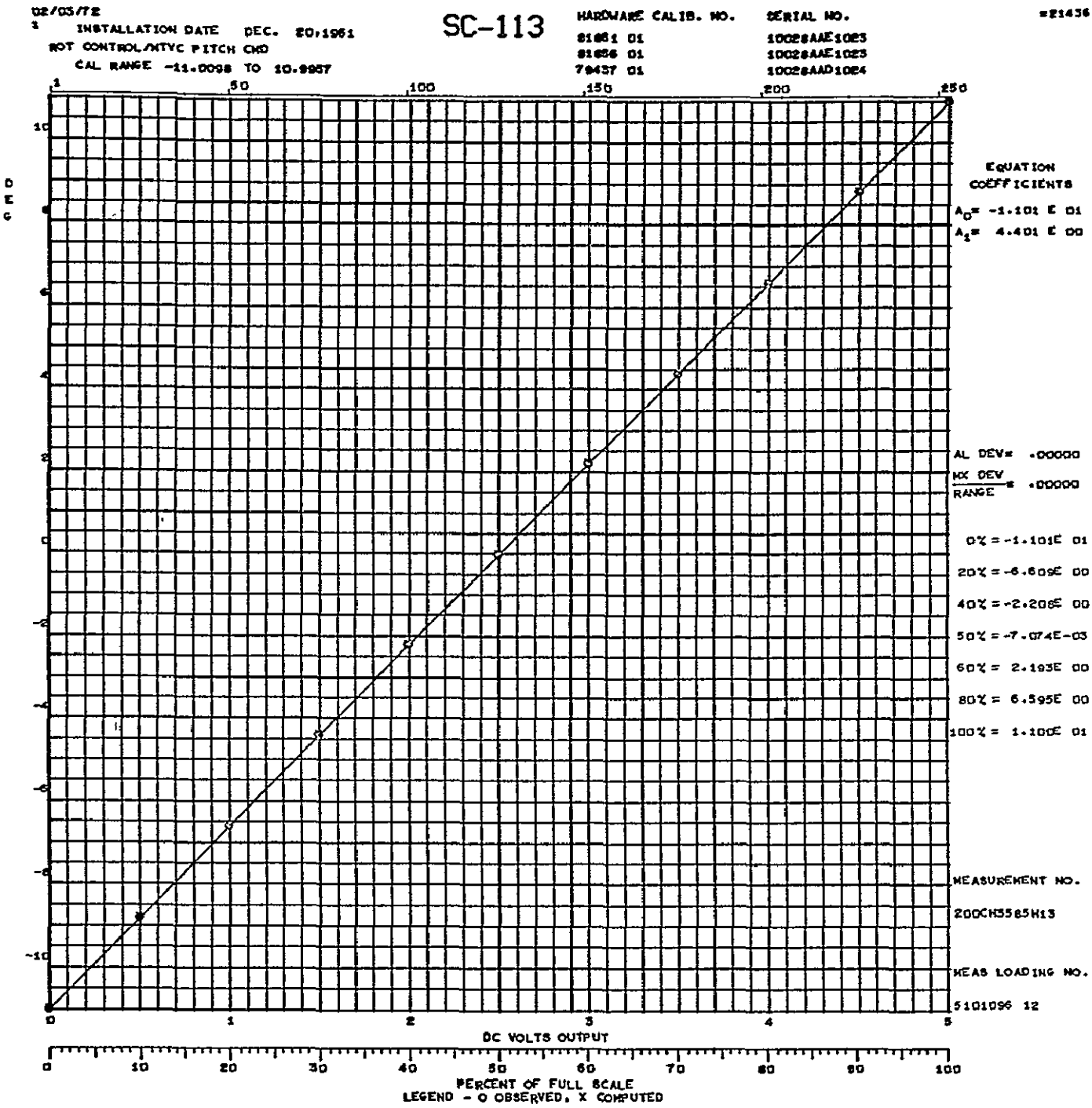
SCS TVC AUTO COMMAND YAW

MEASUREMENT NO. 200CH5565V05
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1025
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	9.987	38	7.058	75	4.150	112	1.251	149	-1.688	185	-4.607	225	-7.585
2	9.909	39	6.990	76	4.071	113	1.152	150	-1.767	187	-4.683	224	-7.608
3	9.829	40	6.911	77	3.992	114	1.075	151	-1.846	188	-4.765	225	-7.694
4	9.751	41	6.832	78	3.915	115	0.994	152	-1.925	189	-4.844	226	-7.762
5	9.672	42	6.753	79	3.834	116	0.915	153	-2.004	190	-4.922	227	-7.841
6	9.595	43	6.674	80	3 755	117	0.836	154	-2.085	191	-5.001	228	-7.920
7	9.514	44	6.595	81	3.676	118	0.757	155	-2.161	192	-5.080	229	-7.999
8	9.435	45	6.515	82	3.597	119	0.679	156	-2.240	193	-5.159	230	-8.078
9	9.356	46	6.437	83	3.518	120	0.600	157	-2.319	194	-5.238	231	-8.157
10	9.277	47	6.358	84	3.440	121	0.521	158	-2.398	195	-5.317	232	-8.236
11	9.198	48	6.280	85	3.361	122	0.442	159	-2.477	196	-5.395	233	-8.315
12	9.119	49	6.201	86	3.282	123	0.363	160	-2.556	197	-5.475	234	-8.394
13	9.041	50	6.122	87	3.205	124	0.284	161	-2.635	198	-5.554	235	-8.472
14	8.962	51	6.043	88	3.124	125	0.205	162	-2.714	199	-5.632	236	-8.551
15	8.883	52	5.964	89	3.045	126	0.126	163	-2.795	200	-5.711	237	-8.630
16	8.804	53	5.885	90	2.966	127	0.047	164	-2.871	201	-5.790	238	-8.709
17	8.725	54	5.805	91	2.887	128	-0.031	165	-2.950	202	-5.869	239	-8.788
18	8.646	55	5.727	92	2.808	129	-0.110	166	-3.029	203	-5.948	240	-8.867
19	8.567	56	5.648	93	2.730	130	-0.189	167	-3.108	204	-6.027	241	-8.946
20	8.488	57	5.570	94	2.651	131	-0.268	168	-3.187	205	-6.105	242	-9.025
21	8.409	58	5.491	95	2.572	132	-0.347	169	-3.266	206	-6.185	243	-9.103
22	8.331	59	5.412	96	2.495	133	-0.426	170	-3.345	207	-6.264	244	-9.182
23	8.252	60	5.333	97	2.414	134	-0.505	171	-3.424	208	-6.342	245	-9.261
24	8.173	61	5.254	98	2.335	135	-0.584	172	-3.502	209	-6.421	246	-9.340
25	8.094	62	5.175	99	2.256	136	-0.663	173	-3.581	210	-6.500	247	-9.419
26	8.015	63	5.096	100	2.177	137	-0.741	174	-3.660	211	-6.579	248	-9.498
27	7.936	64	5.017	101	2.098	138	-0.820	175	-3.739	212	-6.658	249	-9.577
28	7.857	65	4.938	102	2.020	139	-0.899	176	-3.818	213	-6.737	250	-9 656
29	7.778	66	4.860	103	1.941	140	-0.978	177	-3.897	214	-6.816	251	-9.735
30	7.699	67	4.781	104	1.862	141	-1.057	178	-3.976	215	-6.895	252	-9.813
31	7.621	68	4.702	105	1.783	142	-1.136	179	-4.055	216	-6.974	253	-9.892
32	7.542	69	4.623	106	1.704	143	-1.215	180	-4.134	217	-7.052	254	-9.971
33	7.463	70	4.544	107	1.625	144	-1.294	181	-4.212	218	-7.131		
34	7.384	71	4.465	108	1.546	145	-1.373	182	-4.291	219	-7.210		
35	7.305	72	4.386	109	1.467	146	-1.451	183	-4.370	220	-7.289		
36	7.226	73	4.307	110	1.389	147	-1.530	184	-4.449	221	-7.368		
37	7.147	74	4.228	111	1.310	148	-1.609	185	-4.528	222	-7.447		

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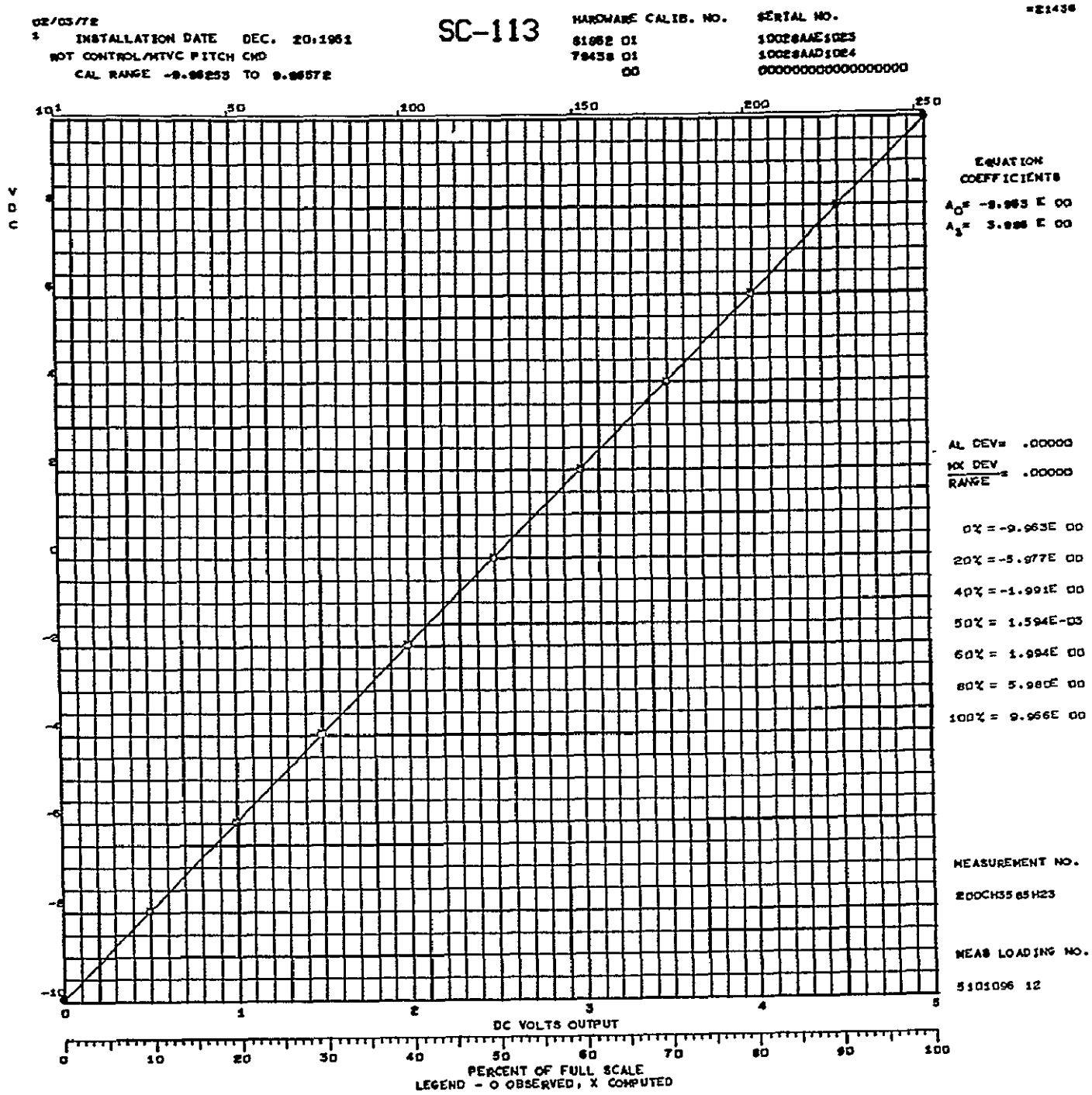
RCS Control - This measurement is redundant with CH3585-22 (volts).

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL/MTVC PITCH CMD

MEASUREMENT NO. 200CH8585H13
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028AAE1023
AUXILIARY COMPONENT SERIAL NO. 10028AAD1024
CALIBRATION DATE 12/20/81

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-11.010	38	-7.792	75	-4.573	112	-1.355	149	1.863	186	5.081	223	8.299
2	-10.925	39	-7.705	76	-4.486	113	-1.268	150	1.950	187	5.168	224	8.386
3	-10.838	40	-7.618	77	-4.399	114	-1.181	151	2.037	188	5.255	225	8.473
4	-10.749	41	-7.531	78	-4.313	115	-1.094	152	2.124	189	5.342	226	8.560
5	-10.662	42	-7.444	79	-4.226	116	-1.007	153	2.211	190	5.429	227	8.647
6	-10.575	43	-7.357	80	-4.139	117	-0.920	154	2.298	191	5.516	228	8.734
7	-10.488	44	-7.270	81	-4.052	118	-0.833	155	2.385	192	5.603	229	8.821
8	-10.401	45	-7.183	82	-3.965	119	-0.746	156	2.472	193	5.690	230	8.908
9	-10.314	46	-7.096	83	-3.878	120	-0.659	157	2.559	194	5.777	231	8.995
10	-10.227	47	-7.009	84	-3.791	121	-0.572	158	2.646	195	5.864	232	9.082
11	-10.140	48	-6.922	85	-3.704	122	-0.485	159	2.733	196	5.951	233	9.169
12	-10.053	49	-6.835	86	-3.617	123	-0.398	160	2.820	197	6.038	234	9.256
13	-9.966	50	-6.748	87	-3.530	124	-0.311	161	2.907	198	6.125	235	9.343
14	-9.879	51	-6.661	88	-3.443	125	-0.225	162	2.994	199	6.212	236	9.430
15	-9.792	52	-6.574	89	-3.356	126	-0.138	163	3.081	200	6.299	237	9.517
16	-9.705	53	-6.487	90	-3.269	127	-0.051	164	3.168	201	6.386	238	9.604
17	-9.618	54	-6.400	91	-3.182	128	0.036	165	3.255	202	6.473	239	9.691
18	-9.531	55	-6.313	92	-3.095	129	0.123	166	3.342	203	6.560	240	9.778
19	-9.444	56	-6.226	93	-3.008	130	0.210	167	3.429	204	6.647	241	9.865
20	-9.357	57	-6.139	94	-2.921	131	0.297	168	3.516	205	6.734	242	9.952
21	-9.270	58	-6.052	95	-2.834	132	0.384	169	3.603	206	6.821	243	10.039
22	-9.183	59	-5.965	96	-2.747	133	0 471	170	3.690	207	6.908	244	10.126
23	-9.096	60	-5.878	97	-2.660	134	0.558	171	3.776	208	6.995	245	10.213
24	-9.009	61	-5.791	98	-2.573	135	0.645	172	3.863	209	7.082	246	10.300
25	-8.922	62	-5.704	99	-2.486	136	0.732	173	3.950	210	7.169	247	10.387
26	-8.835	63	-5.617	100	-2.399	137	0.819	174	4.037	211	7.256	248	10.474
27	-8.748	64	-5.530	101	-2.312	138	0.906	175	4.124	212	7.343	249	10.561
28	-8.661	65	-5.443	102	-2.225	139	0.993	176	4.211	213	7.430	250	10 648
29	-8.574	66	-5.356	103	-2.138	140	1.080	177	4.298	214	7.517	251	10.735
30	-8.487	67	-5.269	104	-2.051	141	1.167	178	4.385	215	7.604	252	10.822
31	-8.400	68	-5.182	105	-1.964	142	1.254	179	4.472	216	7.691	253	10.909
32	-8.314	69	-5.095	106	-1.877	143	1.341	180	4.559	217	7.777	254	10.996
33	-8.227	70	-5.008	107	-1.790	144	1.428	181	4.646	218	7.864		
34	-8.140	71	-4.921	108	-1.705	145	1.515	182	4.733	219	7.951		
35	-8.053	72	-4.834	109	-1.616	146	1.602	183	4.820	220	8.038		
36	-7.966	73	-4.747	110	-1.529	147	1.689	184	4.907	221	8.125		
37	-7.879	74	-4.660	111	-1.442	148	1.776	185	4.994	222	8.212		



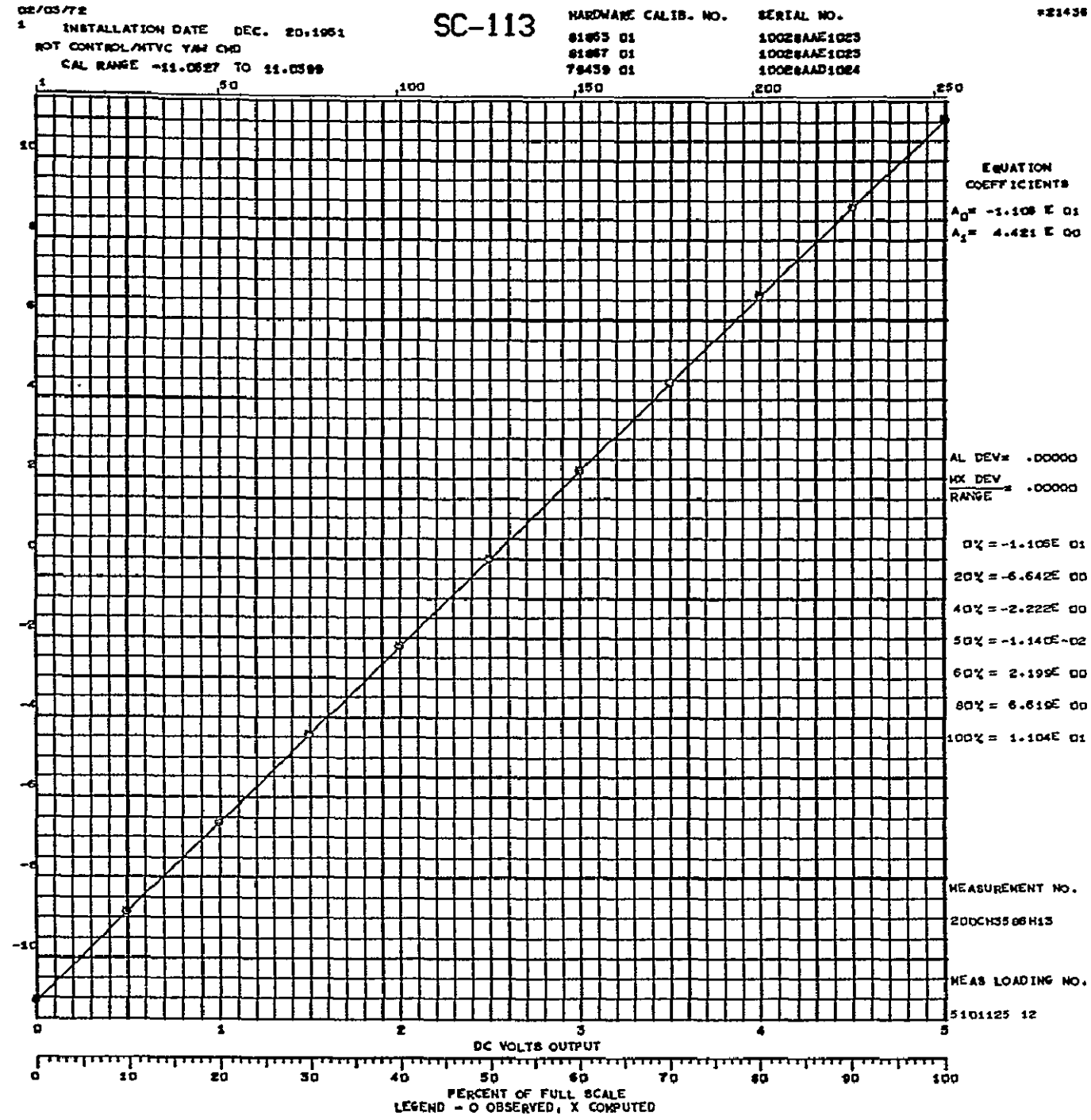
MTVC Control - This measurement is redundant with CH3585-11 (deg.).

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

SDT CONTROL/MTVC PITCH CMD

MEASUREMENT NO. 200CH8565H25
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1025
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-9.953	38	-7.018	75	-4.154	112	-1.219	149	1.695	186	4.610	223	7.524
2	-9.894	39	-6.959	76	-4.095	113	-1.141	150	1.774	187	4.688	224	7.605
3	-9.835	40	-6.891	77	-3.976	114	-1.052	151	1.853	188	4.767	225	7.681
4	-9.726	41	-6.812	78	-3.897	115	-0.965	152	1.951	189	4.846	226	7.760
5	-9.647	42	-6.733	79	-3.819	116	-0.904	153	2.010	190	4.925	227	7.839
6	-9.569	43	-6.654	80	-3.740	117	-0.825	154	2.089	191	5.005	228	7.918
7	-9.490	44	-6.576	81	-3.661	118	-0.747	155	2.168	192	5.082	229	7.997
8	-9.411	45	-6.497	82	-3.582	119	-0.668	156	2.246	193	5.161	230	8.075
9	-9.332	46	-6.418	83	-3.504	120	-0.589	157	2.325	194	5.240	231	8.154
10	-9.254	47	-6.339	84	-3.425	121	-0.510	158	2.404	195	5.318	232	8.233
11	-9.175	48	-6.260	85	-3.346	122	-0.432	159	2.483	196	5.397	233	8.312
12	-9.096	49	-6.182	86	-3.267	123	-0.353	160	2.562	197	5.476	234	8.390
13	-9.017	50	-6.105	87	-3.189	124	-0.274	161	2.640	198	5.555	235	8.469
14	-8.939	51	-6.024	88	-3.110	125	-0.195	162	2.719	199	5.633	236	8.548
15	-8.860	52	-5.945	89	-3.031	126	-0.117	163	2.798	200	5.712	237	8.627
16	-8.781	53	-5.867	90	-2.952	127	-0.038	164	2.877	201	5.791	238	8.705
17	-8.702	54	-5.788	91	-2.873	128	0.041	165	2.955	202	5.870	239	8.784
18	-8.623	55	-5.709	92	-2.795	129	0.120	166	3.034	203	5.949	240	8.863
19	-8.545	56	-5.630	93	-2.716	130	0.199	167	3.113	204	6.027	241	8.942
20	-8.466	57	-5.552	94	-2.637	131	0.277	168	3.192	205	6.106	242	9.021
21	-8.387	58	-5.473	95	-2.558	132	0.356	169	3.270	206	6.185	243	9.099
22	-8.308	59	-5.394	96	-2.480	133	0.435	170	3.349	207	6.264	244	9.178
23	-8.230	60	-5.315	97	-2.401	134	0.514	171	3.428	208	6.342	245	9.257
24	-8.151	61	-5.236	98	-2.322	135	0.592	172	3.507	209	6.421	246	9.336
25	-8.072	62	-5.158	99	-2.243	136	0.671	173	3.585	210	6.500	247	9.414
26	-7.993	63	-5.079	100	-2.165	137	0.750	174	3.664	211	6.579	248	9.493
27	-7.915	64	-5.000	101	-2.086	138	0.829	175	3.743	212	6.657	249	9.572
28	-7.836	65	-4.921	102	-2.007	139	0.907	176	3.822	213	6.736	250	9.651
29	-7.757	66	-4.843	103	-1.928	140	0.986	177	3.901	214	6.815	251	9.729
30	-7.678	67	-4.764	104	-1.849	141	1.065	178	3.979	215	6.894	252	9.808
31	-7.600	68	-4.685	105	-1.771	142	1.144	179	4.058	216	6.973	253	9.887
32	-7.521	69	-4.606	106	-1.692	143	1.222	180	4.137	217	7.051	254	9.966
33	-7.442	70	-4.528	107	-1.613	144	1.301	181	4.216	218	7.130		
34	-7.363	71	-4.449	108	-1.534	145	1.380	182	4.294	219	7.209		
35	-7.284	72	-4.370	109	-1.456	146	1.459	183	4.373	220	7.288		
36	-7.206	73	-4.291	110	-1.377	147	1.538	184	4.452	221	7.366		
37	-7.127	74	-4.212	111	-1.298	148	1.616	185	4.531	222	7.445		



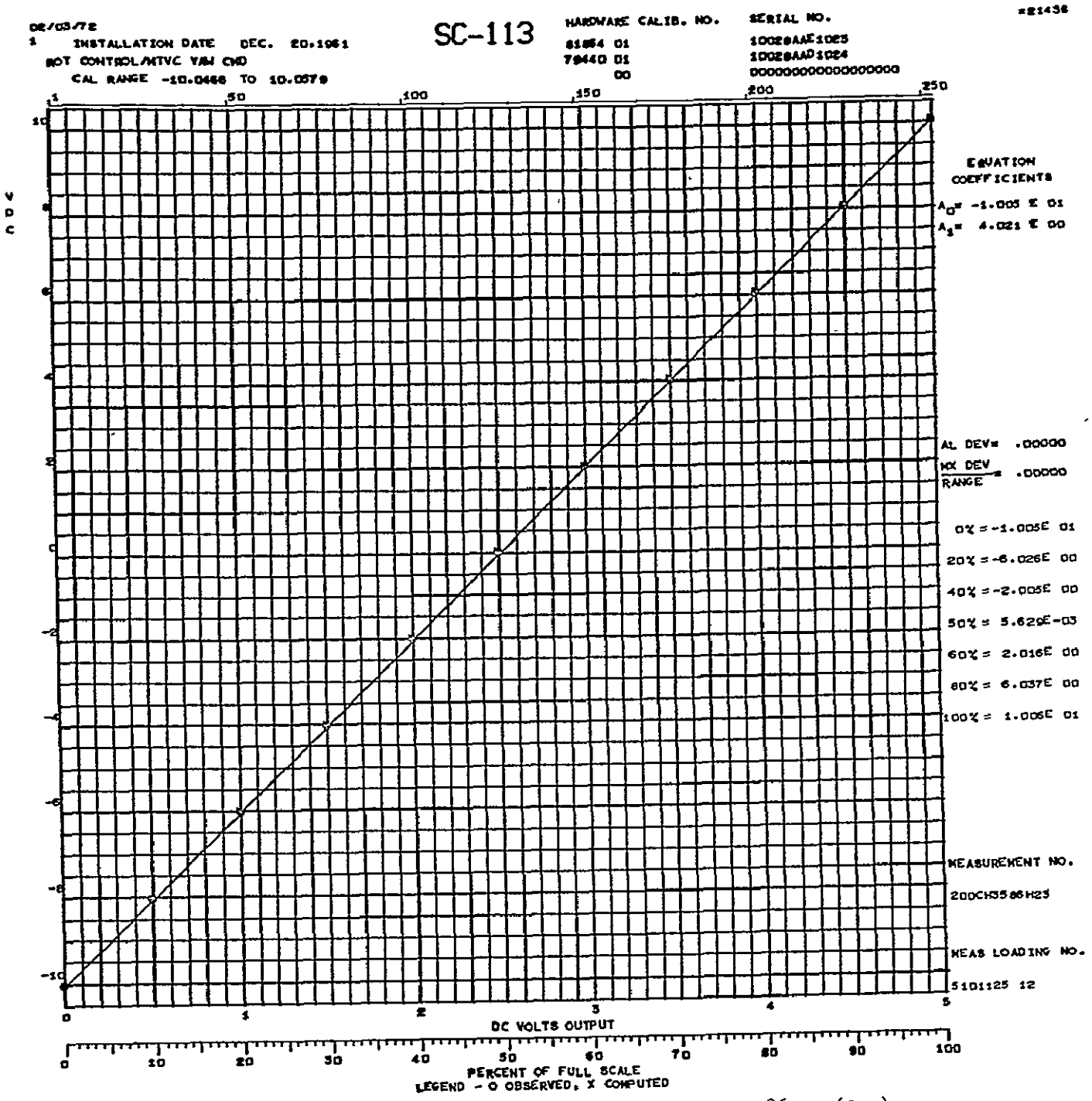
RCS Control - This measurement is redundant with CH3586-22 (volts).

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL/ATVC YAW CMD

MEASUREMENT NO. 200CH556H13
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10028AE1025
SIGNAL CONDITIONER SERIAL NO. 10028AE1025
AUXILIARY COMPONENT SERIAL NO. 10028AD1024
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-11.053	38	-7.630	75	-4.596	112	-1.358	149	1.857	186	5.099	223	8.332
2	-10.975	39	-7.745	76	-4.511	113	-1.278	150	1.954	187	5.187	224	8.419
3	-10.828	40	-7.656	77	-4.425	114	-1.191	151	2.042	188	5.274	225	8.505
4	-10.801	41	-7.568	78	-4.336	115	-1.105	152	2.129	189	5.361	226	8 594
5	-10.713	42	-7.481	79	-4.248	116	-1.015	153	2.216	190	5.449	227	8.681
6	-10.625	43	-7.393	80	-4.161	117	-0.929	154	2.304	191	5.536	228	8.768
7	-10.539	44	-7.305	81	-4.074	118	-0.841	155	2.391	192	5.623	229	8.856
8	-10.451	45	-7.219	82	-3.986	119	-0.754	156	2.478	193	5.711	230	8.943
9	-10.364	46	-7.131	83	-3.899	120	-0.667	157	2.566	194	5.798	231	9.031
10	-10.276	47	-7.044	84	-3.812	121	-0.579	158	2.653	195	5.885	232	9.118
11	-10.189	48	-6.957	85	-3.724	122	-0.492	159	2.740	196	5.973	233	9.205
12	-10.102	49	-6.869	86	-3.637	123	-0.405	160	2.828	197	6.060	234	9.293
13	-10.014	50	-6.782	87	-3.550	124	-0.317	161	2.915	198	6.148	235	9.380
14	-9.927	51	-6.695	88	-3.462	125	-0.230	162	3.005	199	6.235	236	9.467
15	-9.840	52	-6.607	89	-3.375	126	-0.142	163	3.090	200	6.322	237	9.555
16	-9.752	53	-6.520	90	-3 287	127	-0.055	164	3.177	201	6.410	238	9 642
17	-9.665	54	-6.433	91	-3.200	128	0.032	165	3.265	202	6.497	239	9.729
18	-9.578	55	-6.345	92	-3.113	129	0.120	166	3.352	203	6.584	240	9.817
19	-9.490	56	-6.258	93	-3.025	130	0.207	167	3.439	204	6.672	241	9.904
20	-9.403	57	-6.170	94	-2.938	131	0.294	168	3.527	205	6.759	242	9.992
21	-9.315	58	-6.083	95	-2.851	132	0.382	169	3.614	206	6.847	243	10.079
22	-9.228	59	-5.995	96	-2.763	133	0.469	170	3.701	207	6.934	244	10.166
23	-9.141	60	-5.908	97	-2.676	134	0.556	171	3.789	208	7.021	245	10.254
24	-9.053	61	-5.821	98	-2.589	135	0.644	172	3.876	209	7.109	246	10 341
25	-8.966	62	-5.734	99	-2 501	136	0.731	173	3.964	210	7.196	247	10.428
26	-8.879	63	-5.646	100	-2.414	137	0.819	174	4.051	211	7.283	248	10.516
27	-8.791	64	-5.559	101	-2.326	138	0.906	175	4.138	212	7.371	249	10.603
28	-8.704	65	-5.472	102	-2.239	139	0.993	176	4.226	213	7.458	250	10.690
29	-8.617	66	-5.384	103	-2.152	140	1.081	177	4.313	214	7.545	251	10.778
30	-8.529	67	-5.297	104	-2.064	141	1.168	178	4.400	215	7.633	252	10.865
31	-8.442	68	-5.209	105	-1.977	142	1.255	179	4.488	216	7.720	253	10.953
32	-8.354	69	-5.122	106	-1.890	143	1.343	180	4.575	217	7.807	254	11.040
33	-8.267	70	-5.035	107	-1.802	144	1.430	181	4.662	218	7.895		
34	-8.180	71	-4.947	108	-1.715	145	1.517	182	4.750	219	7.982		
35	-8.092	72	-4.860	109	-1.628	146	1.605	183	4.837	220	8.070		
36	-8.005	73	-4.773	110	-1.540	147	1.692	184	4.925	221	8.157		
37	-7.918	74	-4 685	111	-1.453	148	1.780	185	5.012	222	8 244		



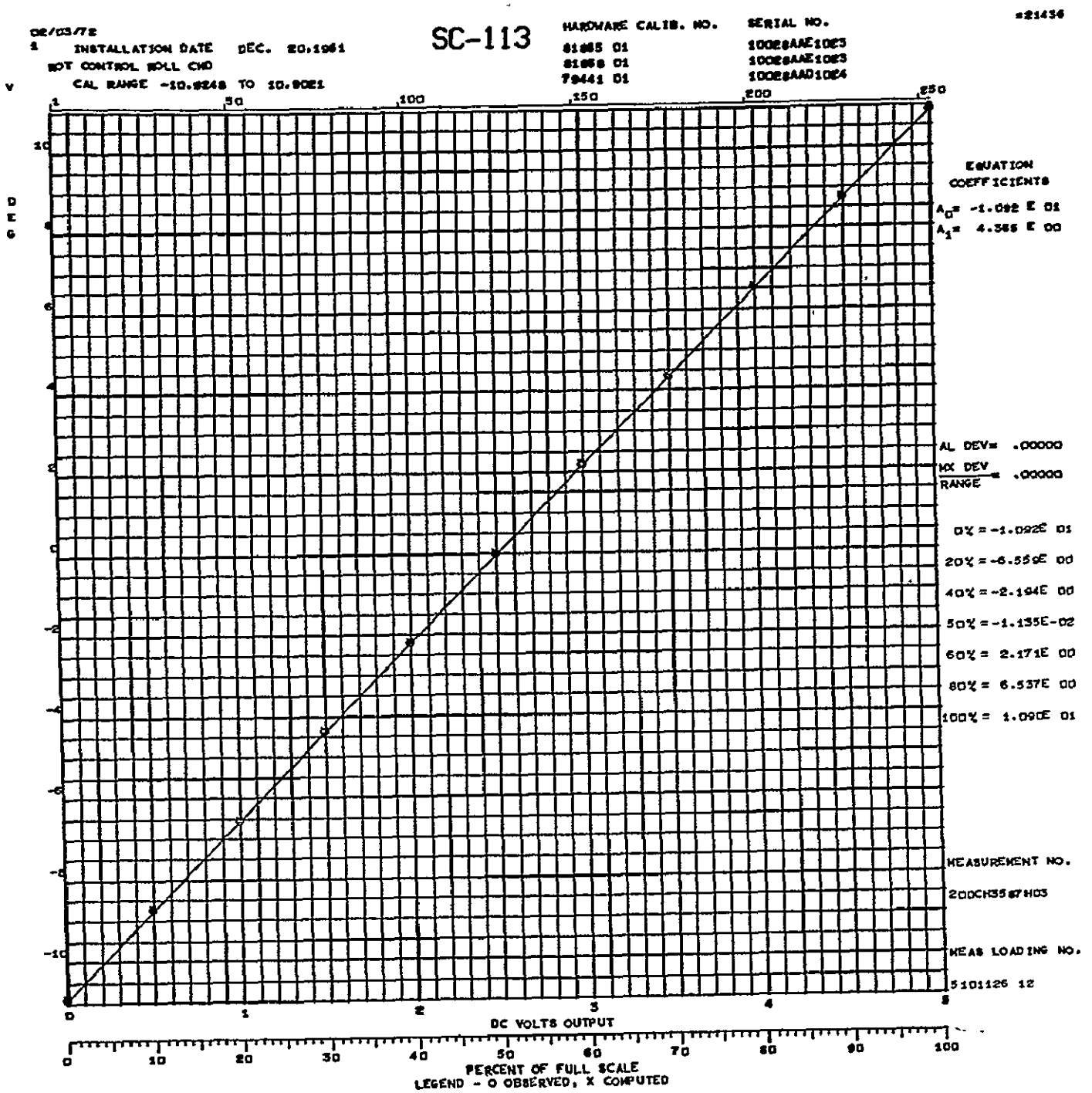
MTVC Control - This measurement is redundant with CH3586-12 (deg).

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

BOT CONTROL/MTVC YAW CMD

MEASUREMENT NO. 2000155851125
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AAE1023
SIGNAL CONDITIONER SERIAL NO. 10028AAD1024
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 12/20/81

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-10.047	38	-7.105	75	-4.166	112	-1.226	149	1.714	186	4.654	223	7.594
2	-9.957	39	-7.027	76	-4.087	113	-1.147	150	1.794	187	4.734	224	7.674
3	-9.888	40	-6.948	77	-4.007	114	-1.067	151	1.873	188	4.813	225	7.753
4	-9.808	41	-6.868	78	-3.928	115	-0.988	152	1.953	189	4.895	226	7.833
5	-9.729	42	-6.789	79	-3.848	116	-0.908	153	2.032	190	4.972	227	7.912
6	-9.649	43	-6.709	80	-3.769	117	-0.829	154	2.111	191	5.052	228	7.992
7	-9.570	44	-6.630	81	-3.689	118	-0.749	155	2.191	192	5.131	229	8.071
8	-9.490	45	-6.550	82	-3.610	119	-0.670	156	2.270	193	5.211	230	8.151
9	-9.411	46	-6.471	83	-3.531	120	-0.590	157	2.350	194	5.290	231	8.230
10	-9.331	47	-6.391	84	-3.451	121	-0.511	158	2.429	195	5.369	232	8.310
11	-9.252	48	-6.312	85	-3.372	122	-0.431	159	2.509	196	5.449	233	8.389
12	-9.173	49	-6.232	86	-3.292	123	-0.352	160	2.588	197	5.528	234	8.469
13	-9.093	50	-6.153	87	-3.213	124	-0.272	161	2.668	198	5.608	235	8.548
14	-9.014	51	-6.073	88	-3.133	125	-0.193	162	2.747	199	5.687	236	8.628
15	-8.934	52	-5.994	89	-3.054	126	-0.114	163	2.827	200	5.767	237	8.707
16	-8.855	53	-5.914	90	-2.974	127	-0.054	164	2.906	201	5.846	238	8.788
17	-8.775	54	-5.835	91	-2.895	128	0.045	165	2.986	202	5.926	239	8.866
18	-8.696	55	-5.756	92	-2.815	129	0.125	166	3.065	203	6.005	240	8.945
19	-8.616	56	-5.676	93	-2.736	130	0.204	167	3.144	204	6.085	241	9.025
20	-8.537	57	-5.597	94	-2.656	131	0.284	168	3.224	205	6.164	242	9.104
21	-8.457	58	-5.517	95	-2.577	132	0.363	169	3.303	206	6.244	243	9.184
22	-8.378	59	-5.438	96	-2.498	133	0.443	170	3.383	207	6.323	244	9.263
23	-8.298	60	-5.358	97	-2.418	134	0.522	171	3.462	208	6.403	245	9.343
24	-8.219	61	-5.279	98	-2.339	135	0.602	172	3.542	209	6.482	246	9.422
25	-8.139	62	-5.199	99	-2.259	136	0.681	173	3.621	210	6.561	247	9.502
26	-8.060	63	-5.120	100	-2.180	137	0.761	174	3.701	211	6.641	248	9.581
27	-7.981	64	-5.040	101	-2.100	138	0.840	175	3.780	212	6.720	249	9.661
28	-7.901	65	-4.961	102	-2.021	139	0.919	176	3.860	213	6.800	250	9.740
29	-7.822	66	-4.881	103	-1.941	140	0.999	177	3.939	214	6.879	251	9.820
30	-7.742	67	-4.802	104	-1.862	141	1.078	178	4.019	215	6.959	252	9.899
31	-7.663	68	-4.723	105	-1.782	142	1.158	179	4.098	216	7.038	253	9.978
32	-7.583	69	-4.643	106	-1.703	143	1.237	180	4.178	217	7.118	254	10.058
33	-7.504	70	-4.564	107	-1.623	144	1.317	181	4.257	218	7.197		
34	-7.424	71	-4.484	108	-1.544	145	1.396	182	4.336	219	7.277		
35	-7.345	72	-4.405	109	-1.464	146	1.476	183	4.416	220	7.356		
36	-7.265	73	-4.325	110	-1.385	147	1.555	184	4.495	221	7.436		
37	-7.186	74	-4.246	111	-1.305	148	1.635	185	4.575	222	7.515		


08/03/72
SC-113
#21436
1 INSTALLATION DATE DEC. 20.1961
HOT CONTROL ROLL CHD
CAL RANGE -10.9248 TO 10.9081
HARDWARE CALIB. NO.
81685 01
81658 01
79441 01
SERIAL NO.
1002BAAE10E3
1002BAAE10E3
1002BAAD10E4
V
DEG
EQUATION COEFFICIENTS
A0= -1.092 E 01
A1= 4.365 E 00
AL DEV= .00000
MX DEV / RANGE = .00000
0% = -1.092E 01
20% = -6.559E 00
40% = -2.194E 00
50% = -1.135E-02
60% = 2.171E 00
80% = 6.537E 00
100% = 1.090E 01
MEASUREMENT NO.
200CH35@7H03
MEAS LOADING NO.
5101126 12
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

ROT CONTROL ROLL CHD

MEASUREMENT NO. 200CH5567H05
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10028AME1023
SIGNAL CONDITIONER SERIAL NO. 10028AME1023
AUXILIARY COMPONENT SERIAL NO. 10028AAD1024
CALIBRATION DATE 12/20/61

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1	-10.925	38	-7.735	75	-4.541	112	-1.349	149	1.844	186	5.036	223	8.228
2	-10.859	39	-7.646	76	-4.454	113	-1.262	150	1.930	187	5.122	224	8.314
3	-10.752	40	-7.560	77	-4.368	114	-1.176	151	2.016	188	5.208	225	8.400
4	-10.666	41	-7.474	78	-4.282	115	-1.090	152	2.102	189	5.294	226	8.486
5	-10.580	42	-7.388	79	-4.196	116	-1.005	153	2.189	190	5.381	227	8.573
6	-10.495	43	-7.301	80	-4.109	117	-0.917	154	2.275	191	5.467	228	8.659
7	-10.407	44	-7.215	81	-4.023	118	-0.831	155	2.361	192	5.553	229	8.745
8	-10.321	45	-7.129	82	-3.937	119	-0.745	156	2.447	193	5.639	230	8.832
9	-10.235	46	-7.043	83	-3.850	120	-0.658	157	2.534	194	5.725	231	8.918
10	-10.148	47	-6.956	84	-3.764	121	-0.572	158	2.620	195	5.812	232	9.004
11	-10.062	48	-6.870	85	-3.678	122	-0.486	159	2.705	196	5.898	233	9.090
12	-9.976	49	-6.784	86	-3.592	123	-0.400	160	2.792	197	5.985	234	9.177
13	-9.890	50	-6.697	87	-3.505	124	-0.313	161	2.879	198	6.071	235	9.265
14	-9.805	51	-6.611	88	-3.419	125	-0.227	162	2.965	199	6.157	236	9.349
15	-9.717	52	-6.525	89	-3.333	126	-0.141	163	3.051	200	6.243	237	9.435
16	-9.631	53	-6.439	90	-3.247	127	-0.054	164	3.138	201	6.330	238	9.522
17	-9.544	54	-6.352	91	-3.160	128	0.052	165	3.224	202	6.416	239	9.608
18	-9.458	55	-6.266	92	-3.074	129	0.118	166	3.310	203	6.502	240	9.694
19	-9.372	56	-6.180	93	-2.988	130	0.204	167	3.396	204	6.589	241	9.781
20	-9.285	57	-6.094	94	-2.901	131	0.291	168	3.483	205	6.675	242	9.867
21	-9.199	58	-6.007	95	-2.815	132	0.377	169	3.569	206	6.761	243	9.953
22	-9.113	59	-5.921	96	-2.729	133	0.463	170	3.655	207	6.847	244	10.039
23	-9.027	60	-5.835	97	-2.643	134	0.549	171	3.741	208	6.934	245	10.125
24	-8.941	61	-5.748	98	-2 556	135	0.636	172	3.828	209	7.020	246	10.212
25	-8.854	62	-5.662	99	-2.470	136	0.722	173	3.914	210	7.106	247	10 298
26	-8.768	63	-5.576	100	-2.384	137	0.808	174	4.000	211	7.192	248	10.384
27	-8.682	64	-5.490	101	-2.298	138	0.895	175	4.087	212	7.279	249	10.471
28	-8.595	65	-5.403	102	-2.211	139	0.981	176	4.173	213	7.365	250	10.557
29	-8.509	66	-5.317	103	-2.125	140	1.067	177	4.259	214	7.451	251	10.643
30	-8.423	67	-5.231	104	-2.039	141	1.153	178	4.345	215	7.537	252	10.730
31	-8.337	68	-5.145	105	-1.952	142	1.240	179	4.432	216	7.624	253	10.816
32	-8.250	69	-5.058	106	-1.866	143	1.326	180	4.518	217	7.710	254	10.902
33	-8.164	70	-4.972	107	-1.780	144	1.412	181	4.604	218	7.796		
34	-8.078	71	-4.886	108	-1.694	145	1.498	182	4.690	219	7.883		
35	-7.992	72	-4.799	109	-1 607	146	1.585	183	4.777	220	7.969		
36	-7.905	73	-4.713	110	-1.521	147	1.671	184	4.863	221	8 055		
37	-7.819	74	-4.627	111	-1.435	148	1.757	185	4.949	222	8.141		

09/24/71
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SC-113

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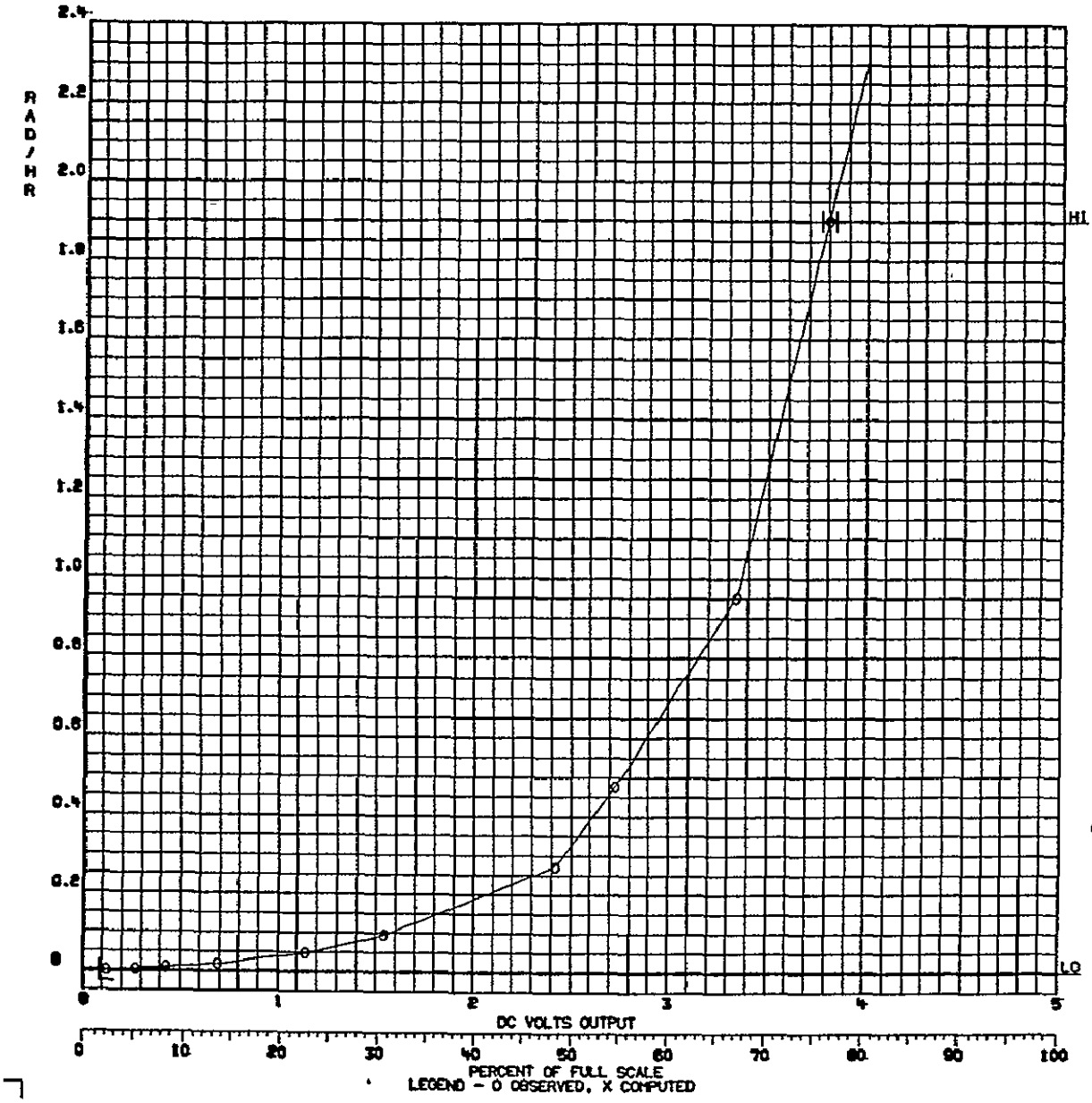
RADIATION DOSIMETER 1
INSTALLATION DATE SEP. 10,1971

HARDWARE CALIB. NO. 79232-10

SERIAL NO. 1007

RANGE
.0010
TO
1.900

PIECE-WISE
CURVE FIT



VALUES BEYOND END POINTS (L AND HI) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
CK1051K-11-2

LOADING NO.
1105090 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT C K1051 K - 11. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 79232- 10.

CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR
1U	-0.0022	38	0.0217	75	0.0859	112	0.2265	149	0.6268	186	1.6029	223U	3.1130
2U	-0.0017	39	0.0229	76	0.0882	113	0.2305	150	0.6422	187	1.6437	224U	3.1538
3U	-0.0011	40	0.0242	77	0.0905	114	0.2344	151	0.6575	188	1.6845	225U	3.1946
4U	-0.0006	41	0.0255	78	0.0929	115	0.2384	152	0.6729	189	1.7253	226U	3.2355
5U	-0.0001	42	0.0268	79	0.0953	116	0.2424	153	0.6883	190	1.7661	227U	3.2763
6U	0.0004	43	0.0280	80	0.0993	117	0.2464	154	0.7037	191	1.8069	228U	3.3171
7U	0.0010	44	0.0293	81	0.1033	118	0.2503	155	0.7191	192	1.8478	229U	3.3579
8	0.0015	45	0.0306	82	0.1072	119	0.2543	156	0.7345	193	1.8886	230U	3.3987
9	0.0020	46	0.0318	83	0.1112	120	0.2583	157	0.7499	194U	1.9294	231U	3.4395
10	0.0025	47	0.0331	84	0.1152	121	0.2623	158	0.7653	195U	1.9702	232U	3.4803
11	0.0031	48	0.0344	85	0.1192	122	0.2662	159	0.7807	196U	2.0110	233U	3.5212
12	0.0036	49	0.0357	86	0.1231	123	0.2702	160	0.7960	197U	2.0518	234U	3.5620
13	0.0041	50	0.0369	87	0.1271	124	0.2791	161	0.8114	198U	2.0926	235U	3.6028
14	0.0047	51	0.0382	88	0.1311	125	0.2920	162	0.8268	199U	2.1335	236U	3.6436
15	0.0052	52	0.0395	89	0.1351	126	0.3050	163	0.8422	200U	2.1743	237U	3.6844
16	0.0058	53	0.0408	90	0.1390	127	0.3179	164	0.8576	201U	2.2151	238U	3.7252
17	0.0064	54	0.0420	91	0.1430	128	0.3309	165	0.8730	202U	2.2559	239U	3.7660
18	0.0071	55	0.0433	92	0.1470	129	0.3438	166	0.8884	203U	2.2967	240U	3.8069
19	0.0077	56	0.0446	93	0.1510	130	0.3567	167	0.9038	204U	2.3375	241U	3.8477
20	0.0083	57	0.0459	94	0.1549	131	0.3697	168	0.9192	205U	2.3783	242U	3.8885
21	0.0089	58	0.0471	95	0.1589	132	0.3826	169	0.9345	206U	2.4192	243U	3.9293
22	0.0095	59	0.0487	96	0.1629	133	0.3956	170	0.9499	207U	2.4600	244U	3.9701
23	0.0102	60	0.0511	97	0.1669	134	0.4085	171	0.9907	208U	2.5008	245U	4.0109
24	0.0108	61	0.0534	98	0.1708	135	0.4214	172	1.0315	209U	2.5416	246U	4.0517
25	0.0115	62	0.0557	99	0.1748	136	0.4344	173	1.0723	210U	2.5824	247U	4.0926
26	0.0122	63	0.0580	100	0.1788	137	0.4473	174	1.1131	211U	2.6232	248U	4.1334
27	0.0129	64	0.0603	101	0.1828	138	0.4603	175	1.1539	212U	2.6641	249U	4.1742
28	0.0136	65	0.0627	102	0.1867	139	0.4732	176	1.1947	213U	2.7049	250U	4.2150
29	0.0143	66	0.0650	103	0.1907	140	0.4883	177	1.2355	214U	2.7457	251U	4.2558
30	0.0150	67	0.0673	104	0.1947	141	0.5037	178	1.2764	215U	2.7865	252U	4.2966
31	0.0156	68	0.0696	105	0.1987	142	0.5190	179	1.3172	216U	2.8273	253U	4.3374
32	0.0163	69	0.0720	106	0.2026	143	0.5344	180	1.3580	217U	2.8681	254U	4.3783
33	0.0170	70	0.0743	107	0.2066	144	0.5498	181	1.3988	218U	2.9089		
34	0.0177	71	0.0766	108	0.2106	145	0.5652	182	1.4396	219U	2.9498		
35	0.0184	72	0.0789	109	0.2146	146	0.5806	183	1.4804	220U	2.9906		
36	0.0191	73	0.0812	110	0.2185	147	0.5960	184	1.5212	221U	3.0314		
37	0.0204	74	0.0836	111	0.2225	148	0.6114	185	1.5621	222U	3.0722		

(U --- CURVE UNDEFINED.)

09/28/71
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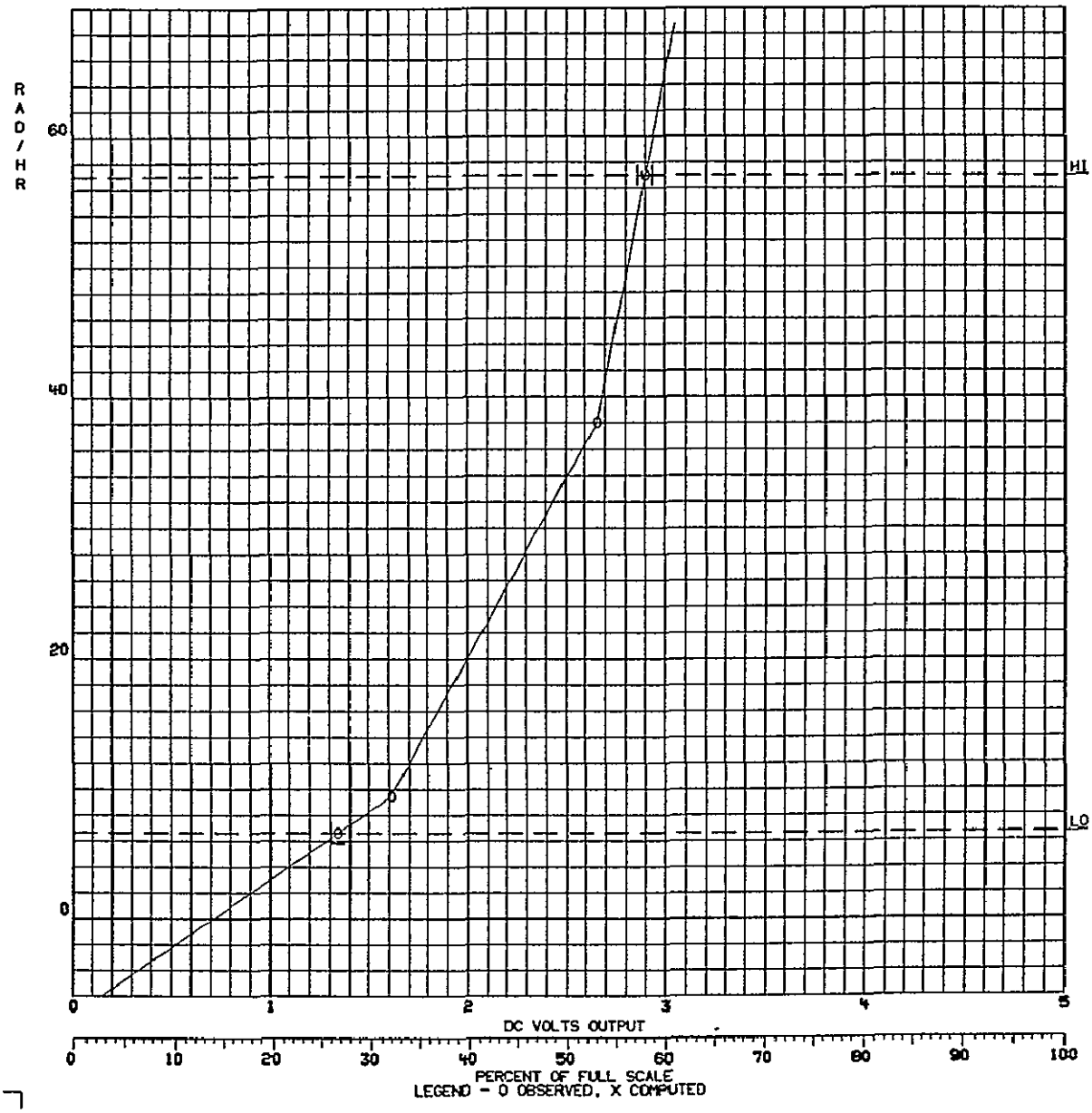
RADIATION DOSIMETER 1
INSTALLATION DATE SEP. 10,1971

HARDWARE CALIB NO 79232-20

SERIAL NO. 1007

RANGE
6.650
TO
57.00

PIECE-WISE CURVE FIT



VALUES BEYOND END POINTS (L AND HI) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C K1051K-21-2

LOADING NO
1105090 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/28/71
MEASUREMENT C K1051 K - 21. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 79232- 20.

CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR
1U	-7.4944	38U	0.2240	75	7.9425	112	25.3426	149J	58.9714	186U	116.8601	223U	174.7487
2U	-7.2858	39U	0.4327	76	8.1511	113	25.8791	150U	60.5359	187U	118.4246	224U	176.3133
3U	-7.0772	40U	0.6413	77	8.3598	114	26.4155	151U	62.1005	188U	119.9892	225U	177.8779
4U	-6.8686	41U	0.8499	78	8.5684	115	26.9519	152U	63.6651	189U	121.5537	226U	179.4424
5U	-6.6600	42U	1.0585	79	8.7770	116	27.4883	153U	65.2296	190U	123.1183	227U	181.0070
6U	-6.4514	43U	1.2671	80	8.9856	117	28.0247	154U	66.7942	191U	124.6829	228U	182.5715
7U	-6.2428	44U	1.4757	81	9.1942	118	28.5612	155J	68.3587	192U	126.2474	229U	184.1361
8U	-6.0342	45U	1.6843	82	9.4028	119	29.0976	156U	69.9233	193U	127.8120	230U	185.7007
9U	-5.8256	46U	1.8929	83	9.7865	120	29.6340	157U	71.4879	194U	129.3765	231U	187.2652
10U	-5.6170	47U	2.1015	84	10.3229	121	30.1704	158U	73.0524	195U	130.9411	232U	188.8298
11U	-5.4084	48U	2.3101	85	10.8593	122	30.7068	159U	74.6170	196U	132.5057	233U	190.3943
12U	-5.1998	49U	2.5187	86	11.3957	123	31.2433	160J	76.1815	197U	134.0702	234U	191.9589
13U	-4.9912	50U	2.7273	87	11.9321	124	31.7797	161U	77.7461	198U	135.6348	235U	193.5235
14U	-4.7825	51U	2.9359	88	12.4686	125	32.3161	162U	79.3107	199U	137.1993	236U	195.0880
15U	-4.5739	52U	3.1445	89	13.0050	126	32.8525	163U	80.8752	200U	138.7639	237U	196.6526
16U	-4.3653	53U	3.3532	90	13.5414	127	33.3889	164U	82.4398	201U	140.3284	238U	198.2171
17U	-4.1567	54U	3.5618	91	14.0778	128	33.9254	165U	84.0043	202U	141.8930	239U	199.7817
18U	-3.9481	55U	3.7704	92	14.6142	129	34.4618	166U	85.5689	203U	143.4576	240U	201.3462
19U	-3.7395	56U	3.9790	93	15.1507	130	34.9982	167U	87.1334	204U	145.0221	241U	202.9108
20U	-3.5309	57U	4.1876	94	15.6871	131	35.5346	168U	88.6980	205U	146.5867	242U	204.4754
21U	-3.3223	58U	4.3962	95	16.2235	132	36.0710	169U	90.2626	206U	148.1512	243U	206.0399
22U	-3.1137	59U	4.6048	96	16.7599	133	36.6075	170U	91.8271	207U	149.7158	244U	207.6045
23U	-2.9051	60U	4.8134	97	17.2963	134	37.1439	171U	93.3917	208U	151.2804	245U	209.1690
24U	-2.6965	61U	5.0220	98	17.8328	135	37.6803	172U	94.9562	209U	152.8449	246U	210.7336
25U	-2.4879	62U	5.2306	99	18.3692	136	38.6321	173U	96.5208	210U	154.4095	247U	212.2982
26U	-2.2792	63U	5.4392	100	18.9056	137	40.1967	174U	98.0854	211U	155.9740	248U	213.8627
27U	-2.0706	64U	5.6479	101	19.4420	138	41.7612	175U	99.6499	212U	157.5386	249U	215.4273
28U	-1.8620	65U	5.8565	102	19.9784	139	43.3258	176U	101.2145	213U	159.1032	250U	216.9918
29U	-1.6534	66U	6.0651	103	20.5149	140	44.8904	177U	102.7790	214U	160.6677	251U	218.5564
30U	-1.4448	67U	6.2737	104	21.0513	141	46.4549	178U	104.3436	215U	162.2323	252U	220.1210
31U	-1.2362	68U	6.4823	105	21.5877	142	48.0195	179U	105.9082	216U	163.7968	253U	221.6855
32U	-1.0276	69	6.6909	106	22.1241	143	49.5840	180U	107.4727	217U	165.3614	254U	223.2501
33U	-0.8190	70	6.8995	107	22.6605	144	51.1486	181U	109.0373	218U	166.9260		
34U	-0.6104	71	7.1081	108	23.1970	145	52.7132	182U	110.6018	219U	168.4905		
35U	-0.4018	72	7.3167	109	23.7334	146	54.2777	183U	112.1664	220U	170.0551		
36U	-0.1932	73	7.5253	110	24.2698	147	55.8423	184U	113.7309	221U	171.6196		
37U	0.0154	74	7.7339	111	24.8062	148U	57.4068	185U	115.2955	222U	173.1842		

(U --- CURVE UNDEFINED.)

5-248b Change 1

09/24/71
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SC-113

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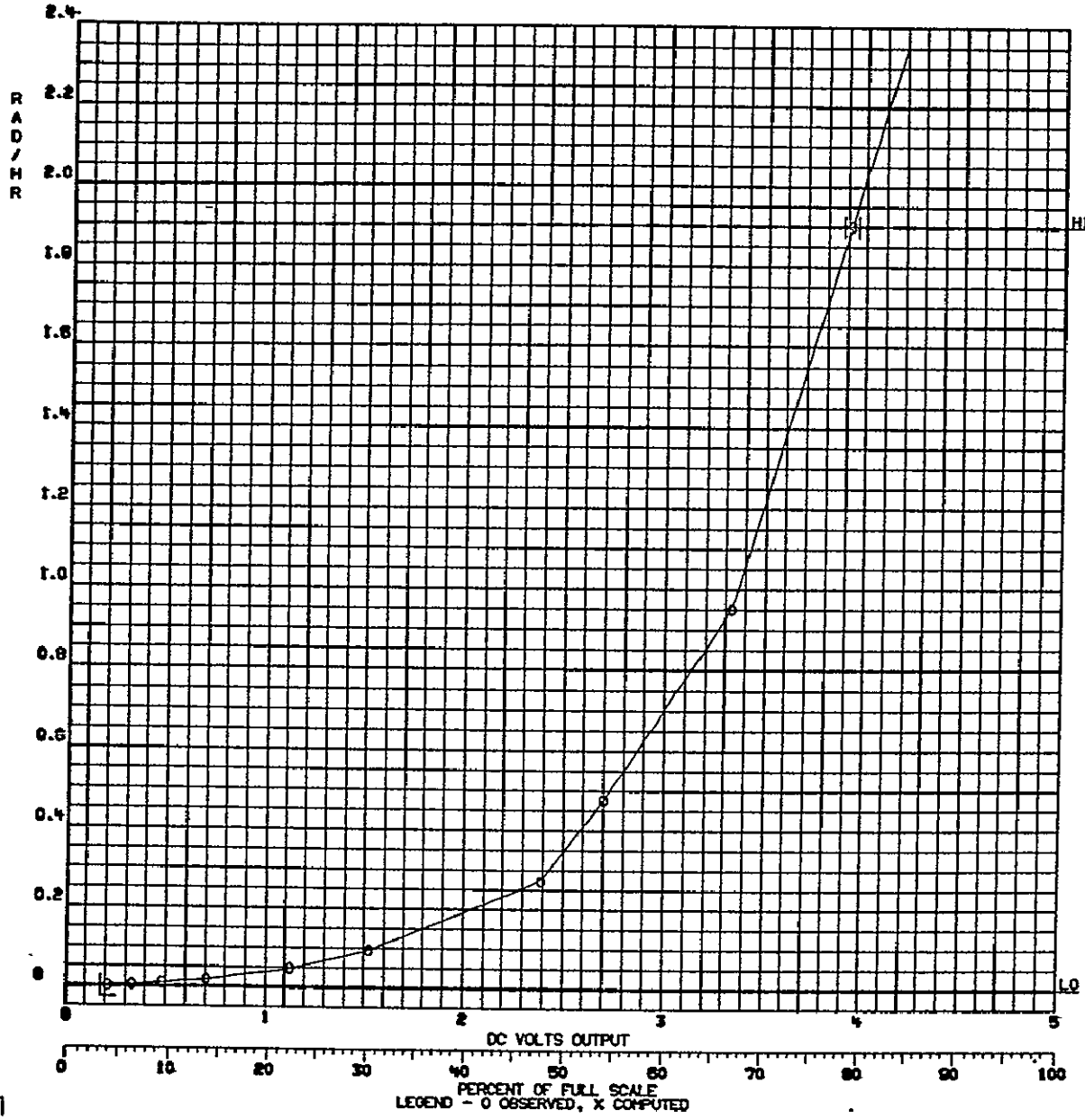
RADIATION DOSIMETER 2
INSTALLATION DATE SEP. 10,1971

HARDWARE CALIB. NO. 79233-10

SERIAL NO. 1007

RANGE .0010 TO 1.900

PIECE-WISE CURVE FIT



VALUES BEYOND END POINTS (L AND H) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
CK1052K-11-2

LOADING NO.
1101058 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT C K1052 K - 11. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 79233- 10.

CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR
1U	-0.0060	38	0.0212	75	0.0882	112	0.2321	149	0.6446	186	1.4751	223U	2.6525
2U	-0.0053	39	0.0225	76	0.0906	113	0.2361	150	0.6595	187	1.5069	224U	2.6843
3U	-0.0047	40	0.0239	77	0.0929	114	0.2401	151	0.6744	188	1.5388	225U	2.7162
4U	-0.0040	41	0.0252	78	0.0954	115	0.2441	152	0.6893	189	1.5706	226U	2.7480
5U	-0.0034	42	0.0266	79	0.0994	116	0.2481	153	0.7042	190	1.6024	227U	2.7798
6U	-0.0027	43	0.0280	80	0.1034	117	0.2522	154	0.7191	191	1.6342	228U	2.8116
7U	-0.0020	44	0.0293	81	0.1074	118	0.2562	155	0.7340	192	1.6660	229U	2.8434
8U	-0.0014	45	0.0307	82	0.1114	119	0.2602	156	0.7489	193	1.6979	230U	2.8753
9U	-0.0007	46	0.0321	83	0.1155	120	0.2642	157	0.7638	194	1.7297	231U	2.9071
10U	-0.0001	47	0.0334	84	0.1195	121	0.2682	158	0.7787	195	1.7615	232U	2.9389
11U	0.0006	48	0.0348	85	0.1235	122	0.2729	159	0.7936	196	1.7933	233U	2.9707
12	0.0012	49	0.0362	86	0.1275	123	0.2858	160	0.8085	197	1.8252	234U	3.0026
13	0.0019	50	0.0375	87	0.1315	124	0.2987	161	0.8234	198	1.8570	235U	3.0344
14	0.0026	51	0.0389	88	0.1356	125	0.3117	162	0.8383	199	1.8888	236U	3.0662
15	0.0032	52	0.0403	89	0.1396	126	0.3246	163	0.8532	200U	1.9206	237U	3.0980
16	0.0039	53	0.0416	90	0.1436	127	0.3376	164	0.8681	201U	1.9524	238U	3.1298
17	0.0045	54	0.0430	91	0.1476	128	0.3505	165	0.8830	202U	1.9843	239U	3.1617
18	0.0052	55	0.0444	92	0.1516	129	0.3634	166	0.8979	203U	2.0161	240U	3.1935
19	0.0059	56	0.0457	93	0.1557	130	0.3764	167	0.9128	204U	2.0479	241U	3.2253
20	0.0065	57	0.0471	94	0.1597	131	0.3893	168	0.9277	205U	2.0797	242U	3.2571
21	0.0072	58	0.0488	95	0.1637	132	0.4023	169	0.9426	206U	2.1116	243U	3.2889
22	0.0078	59	0.0511	96	0.1677	133	0.4152	170	0.9660	207U	2.1434	244U	3.3208
23	0.0085	60	0.0534	97	0.1717	134	0.4282	171	0.9978	208U	2.1752	245U	3.3526
24	0.0092	61	0.0557	98	0.1758	135	0.4411	172	1.0296	209U	2.2070	246U	3.3844
25	0.0098	62	0.0581	99	0.1798	136	0.4540	173	1.0614	210U	2.2388	247U	3.4162
26	0.0106	63	0.0604	100	0.1838	137	0.4670	174	1.0933	211U	2.2707	248U	3.4481
27	0.0114	64	0.0627	101	0.1878	138	0.4807	175	1.1251	212U	2.3025	249U	3.4799
28	0.0122	65	0.0650	102	0.1919	139	0.4956	176	1.1569	213U	2.3343	250U	3.5117
29	0.0130	66	0.0673	103	0.1959	140	0.5105	177	1.1887	214U	2.3661	251U	3.5435
30	0.0138	67	0.0697	104	0.1999	141	0.5254	178	1.2205	215U	2.3979	252U	3.5753
31	0.0146	68	0.0720	105	0.2039	142	0.5403	179	1.2524	216U	2.4298	253U	3.6072
32	0.0154	69	0.0743	106	0.2079	143	0.5552	180	1.2842	217U	2.4616	254U	3.6390
33	0.0162	70	0.0766	107	0.2120	144	0.5701	181	1.3160	218U	2.4934		
34	0.0170	71	0.0789	108	0.2160	145	0.5850	182	1.3478	219U	2.5252		
35	0.0179	72	0.0813	109	0.2200	146	0.5999	183	1.3797	220U	2.5571		
36	0.0187	73	0.0836	110	0.2240	147	0.6148	184	1.4115	221U	2.5889		
37	0.0198	74	0.0859	111	0.2280	148	0.6297	185	1.4433	222U	2.6207		

(U --- CURVE UNDEFINED.)

09/24/71
5 . 0

SC-113

HARDWARE CALIB. NO. 79233-20

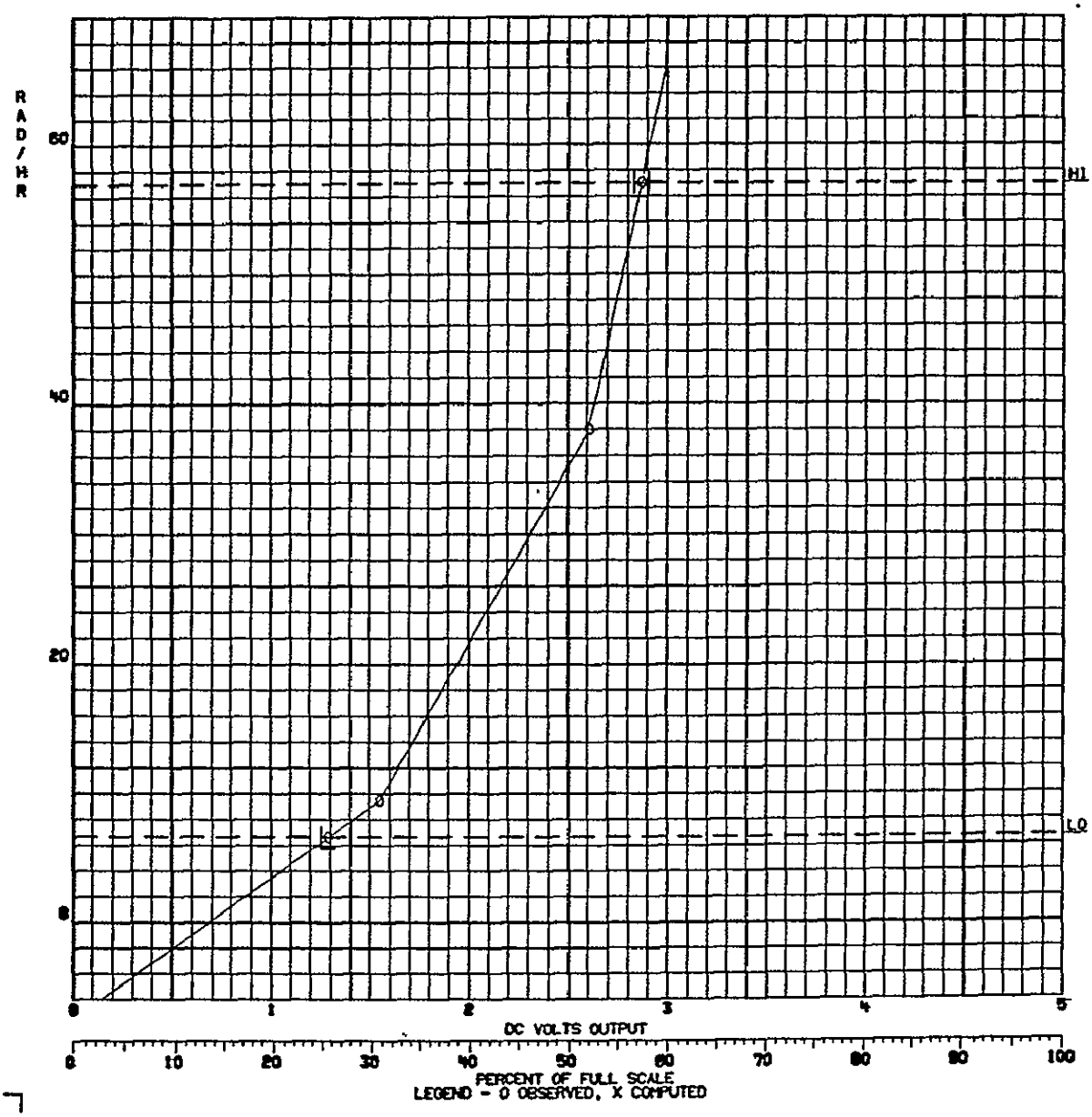
SERIAL NO. 1007

0459-77-05
0000 0017

RADIATION DOSIMETER 2
INSTALLATION DATE SEP. 10,1971

RANGE
6.850
TO
57.00

PIECE-WISE
CURVE FIT



VALUES BEYOND END POINTS (L AND HI) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C K1052K-21-2

LOADING NO.
1101058 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT C K1052 K - 21. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 79233- 20.

CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR	CNT	RAD/HR
1U	-7.4904	38U	0.5250	75	8.5403	112	26.8064	149U	61.0120	186U	114.4478	223U	167.8835
2U	-7.2738	39U	0.7416	76	8.7570	113	27.3378	150U	62.4563	187U	115.8920	224U	169.3277
3U	-7.0571	40U	0.9582	77	8.9736	114	27.8691	151U	63.9005	188U	117.3362	225U	170.7719
4U	-6.8405	41U	1.1749	78	9.1902	115	28.4005	152U	65.3447	189U	118.7804	226U	172.2161
5U	-6.6239	42U	1.3915	79	9.4069	116	28.9318	153U	66.7889	190U	120.2246	227U	173.6603
6U	-6.4072	43U	1.6081	80	9.8029	117	29.4632	154U	68.2331	191U	121.6688	228U	175.1045
7U	-6.1906	44U	1.8248	81	10.3342	118	29.9945	155U	69.6773	192U	123.1130	229U	176.5487
8U	-5.9740	45U	2.0414	82	10.8656	119	30.5259	156U	71.1215	193U	124.5572	230U	177.9929
9U	-5.7573	46U	2.2580	83	11.3970	120	31.0573	157U	72.5657	194U	126.0014	231U	179.4371
10U	-5.5407	47U	2.4747	84	11.9283	121	31.5886	158U	74.0099	195U	127.4456	232U	180.8813
11U	-5.3241	48U	2.6913	85	12.4597	122	32.1200	159U	75.4541	196U	128.8898	233U	182.3255
12U	-5.1074	49U	2.9079	86	12.9910	123	32.6513	160U	76.8983	197U	130.3340	234U	183.7697
13U	-4.8908	50U	3.1245	87	13.5224	124	33.1827	161U	78.3425	198U	131.7783	235U	185.2140
14U	-4.6742	51U	3.3412	88	14.0538	125	33.7141	162U	79.7868	199U	133.2225	236U	186.6582
15U	-4.4575	52U	3.5578	89	14.5851	126	34.2454	163U	81.2310	200U	134.6667	237U	188.1024
16U	-4.2409	53U	3.7744	90	15.1165	127	34.7768	164U	82.6752	201U	136.1109	238U	189.5466
17U	-4.0243	54U	3.9911	91	15.6478	128	35.3081	165U	84.1194	202U	137.5551	239U	190.9908
18U	-3.8077	55U	4.2077	92	16.1792	129	35.8395	166U	85.5636	203U	138.9993	240U	192.4350
19U	-3.5910	56U	4.4243	93	16.7106	130	36.3709	167U	87.0078	204U	140.4435	241U	193.8792
20U	-3.3744	57U	4.6410	94	17.2419	131	36.9022	168U	88.4520	205U	141.8877	242U	195.3234
21U	-3.1578	58U	4.8576	95	17.7733	132	37.4336	169U	89.8962	206U	143.3319	243U	196.7676
22U	-2.9411	59U	5.0742	96	18.3046	133	37.9649	170U	91.3404	207U	144.7761	244U	198.2118
23U	-2.7245	60U	5.2909	97	18.8360	134	39.3489	171U	92.7846	208U	146.2203	245U	199.6560
24U	-2.5079	61U	5.5075	98	19.3674	135	40.7931	172U	94.2288	209U	147.6645	246U	201.1002
25U	-2.2912	62U	5.7241	99	19.8987	136	42.2373	173U	95.6730	210U	149.1088	247U	202.5445
26U	-2.0746	63U	5.9408	100	20.4301	137	43.6815	174U	97.1173	211U	150.5530	248U	203.9887
27U	-1.8580	64U	6.1574	101	20.9614	138	45.1258	175U	98.5615	212U	151.9972	249U	205.4329
28U	-1.6413	65U	6.3740	102	21.4928	139	46.5700	176U	100.0057	213U	153.4414	250U	206.8771
29U	-1.4247	66U	6.5906	103	22.0242	140	48.0142	177U	101.4499	214U	154.8856	251U	208.3213
30U	-1.2081	67	6.8073	104	22.5555	141	49.4584	178U	102.8941	215U	156.3298	252U	209.7655
31U	-0.9914	68	7.0239	105	23.0869	142	50.9026	179U	104.3383	216U	157.7740	253U	211.2097
32U	-0.7748	69	7.2405	106	23.6182	143	52.3468	180U	105.7825	217U	159.2182	254U	212.6539
33U	-0.5582	70	7.4572	107	24.1496	144	53.7910	181U	107.2267	218U	160.6624		
34U	-0.3416	71	7.6738	108	24.6810	145	55.2352	182U	108.6709	219U	162.1066		
35U	-0.1249	72	7.8904	109	25.2123	146	56.6794	183U	110.1151	220U	163.5508		
36U	0.0917	73	8.1071	110	25.7437	147U	58.1236	184U	111.5593	221U	164.9950		
37U	0.3083	74	8.3237	111	26.2750	148U	59.5678	185U	113.0035	222U	166.4392		

(U --- CURVE UNDEFINED.)

09/24/71
1.0

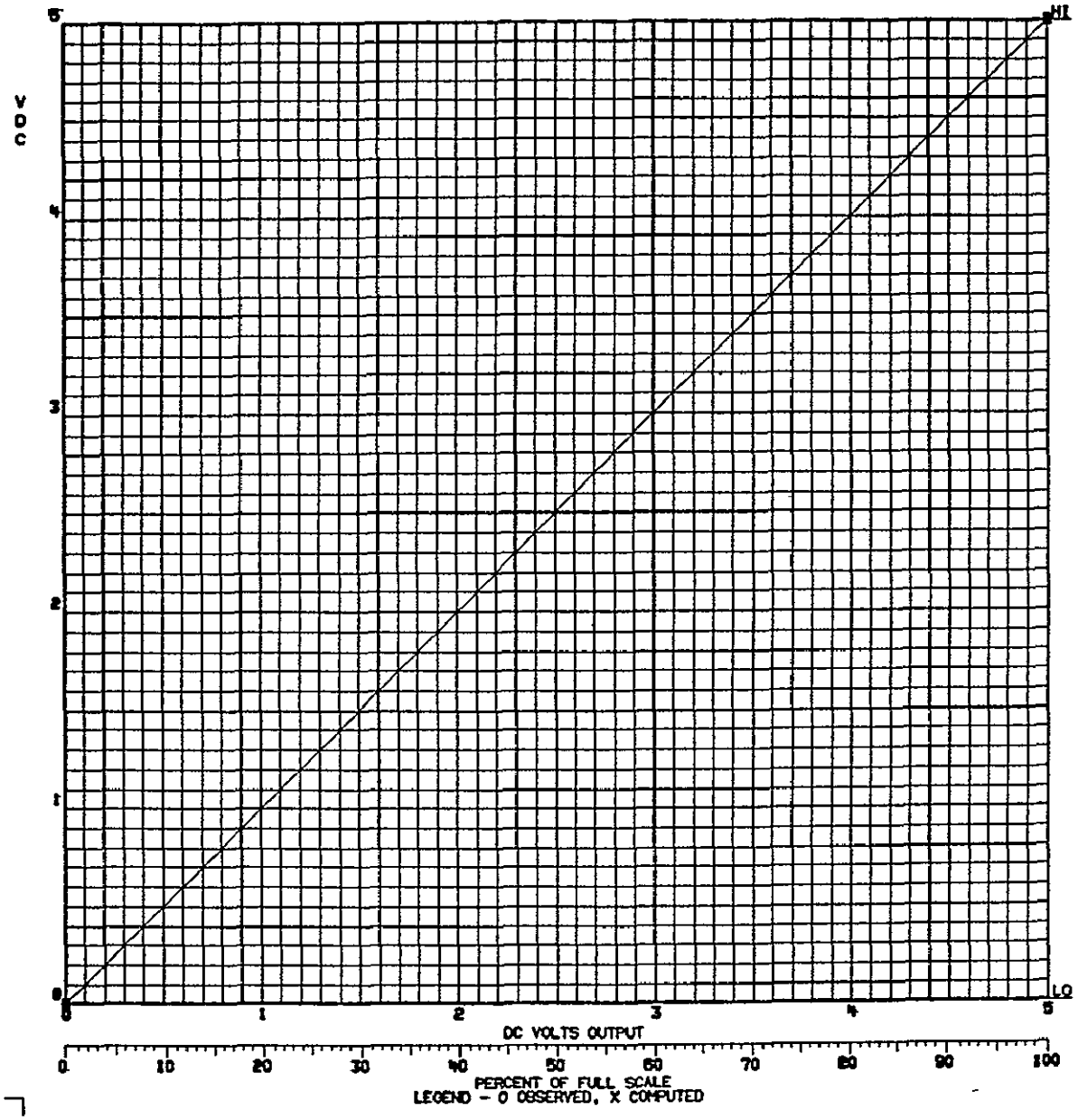
SC-113

HARDWARE CALIB. NO. 79234- 1

SERIAL NO. 1007

0459-77-65
0000 0018

DOSIMETER RATE CHANGE
INSTALLATION DATE SEP. 10,1971



RANGE
0.0
TO
5.000

EQUATION COEFFICIENTS
A_0= 0.0
A_1= 1.000E 00

SIGMA=0.0
$\frac{\text{SIGMA}}{\text{RANGE}}$=0.0

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
CK1053R- 1-2

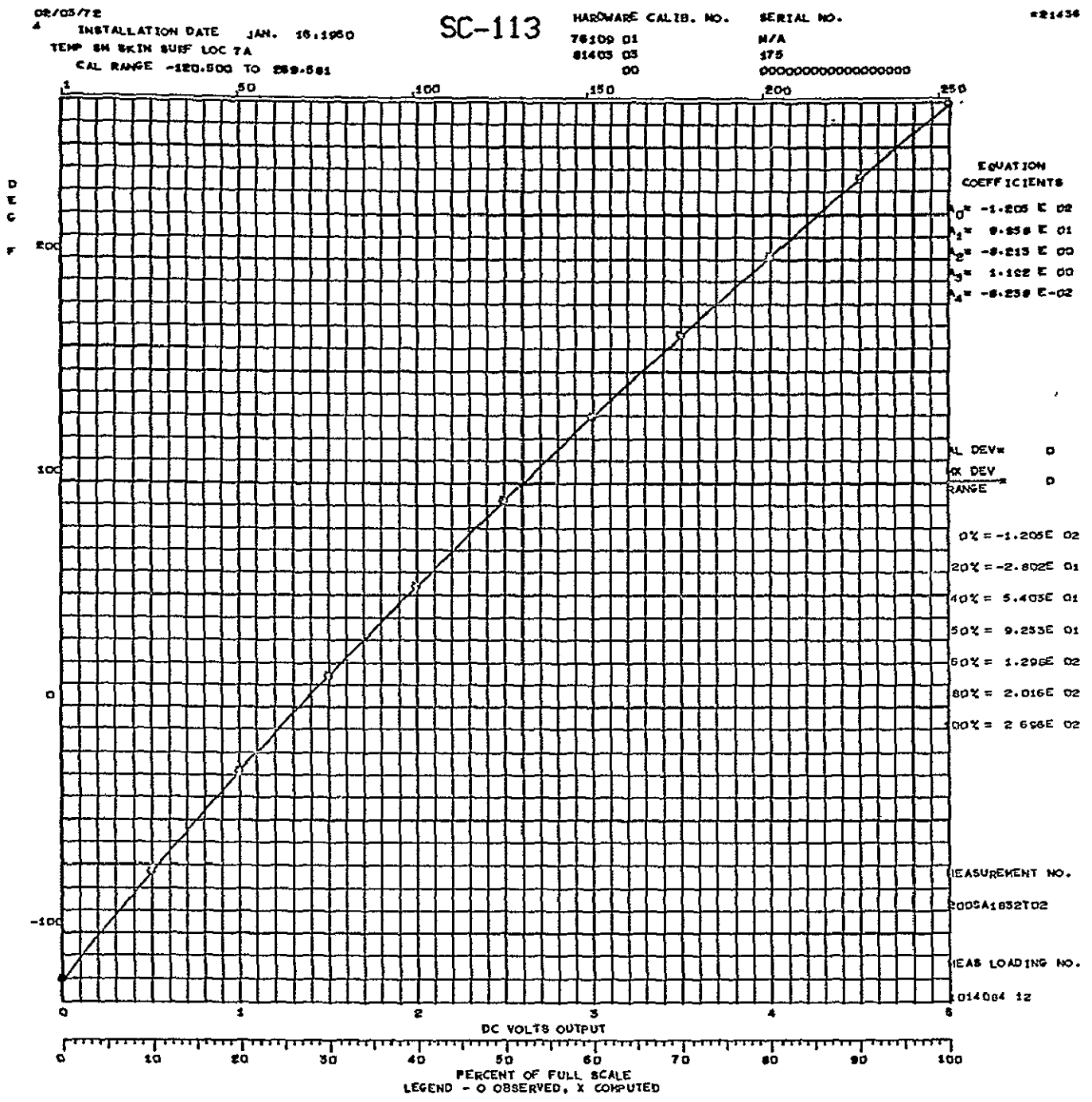
LOADING NO.
1050084 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT C K1053 R - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 79234- 1.

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.0	38	0.7312	75	1.4625	112	2.1937	149	2.9249	186	3.6561	223	4.3874
2	0.0198	39	0.7510	76	1.4822	113	2.2134	150	2.9447	187	3.6759	224	4.4071
3	0.0395	40	0.7708	77	1.5020	114	2.2332	151	2.9644	188	3.6957	225	4.4269
4	0.0593	41	0.7905	78	1.5217	115	2.2530	152	2.9842	189	3.7154	226	4.4466
5	0.0791	42	0.8103	79	1.5415	116	2.2727	153	3.0040	190	3.7352	227	4.4664
6	0.0988	43	0.8300	80	1.5613	117	2.2925	154	3.0237	191	3.7549	228	4.4862
7	0.1186	44	0.8498	81	1.5810	118	2.3123	155	3.0435	192	3.7747	229	4.5059
8	0.1383	45	0.8696	82	1.6008	119	2.3320	156	3.0632	193	3.7945	230	4.5257
9	0.1581	46	0.8893	83	1.6206	120	2.3518	157	3.0830	194	3.8142	231	4.5455
10	0.1779	47	0.9091	84	1.6403	121	2.3715	158	3.1028	195	3.8340	232	4.5652
11	0.1976	48	0.9289	85	1.6601	122	2.3913	159	3.1225	196	3.8538	233	4.5850
12	0.2174	49	0.9486	86	1.6798	123	2.4111	160	3.1423	197	3.8735	234	4.6047
13	0.2372	50	0.9684	87	1.6996	124	2.4308	161	3.1621	198	3.8933	235	4.6245
14	0.2569	51	0.9881	88	1.7194	125	2.4506	162	3.1818	199	3.9130	236	4.6443
15	0.2767	52	1.0079	89	1.7391	126	2.4704	163	3.2016	200	3.9328	237	4.6640
16	0.2964	53	1.0277	90	1.7589	127	2.4901	164	3.2213	201	3.9526	238	4.6838
17	0.3162	54	1.0474	91	1.7787	128	2.5099	165	3.2411	202	3.9723	239	4.7036
18	0.3360	55	1.0672	92	1.7984	129	2.5296	166	3.2609	203	3.9921	240	4.7233
19	0.3557	56	1.0870	93	1.8182	130	2.5494	167	3.2806	204	4.0119	241	4.7431
20	0.3755	57	1.1067	94	1.8379	131	2.5692	168	3.3004	205	4.0316	242	4.7628
21	0.3953	58	1.1265	95	1.8577	132	2.5889	169	3.3202	206	4.0514	243	4.7826
22	0.4150	59	1.1462	96	1.8775	133	2.6087	170	3.3399	207	4.0711	244	4.8024
23	0.4348	60	1.1660	97	1.8972	134	2.6285	171	3.3597	208	4.0909	245	4.8221
24	0.4545	61	1.1858	98	1.9170	135	2.6482	172	3.3794	209	4.1107	246	4.8419
25	0.4743	62	1.2055	99	1.9368	136	2.6680	173	3.3992	210	4.1304	247	4.8617
26	0.4941	63	1.2253	100	1.9565	137	2.6877	174	3.4190	211	4.1502	248	4.8814
27	0.5138	64	1.2451	101	1.9763	138	2.7075	175	3.4387	212	4.1700	249	4.9012
28	0.5336	65	1.2648	102	1.9960	139	2.7273	176	3.4585	213	4.1897	250	4.9209
29	0.5534	66	1.2846	103	2.0158	140	2.7470	177	3.4783	214	4.2095	251	4.9407
30	0.5731	67	1.3043	104	2.0356	141	2.7668	178	3.4980	215	4.2292	252	4.9605
31	0.5929	68	1.3241	105	2.0553	142	2.7866	179	3.5178	216	4.2490	253	4.9802
32	0.6126	69	1.3439	106	2.0751	143	2.8063	180	3.5376	217	4.2688	254*	5.0000
33	0.6324	70	1.3636	107	2.0949	144	2.8261	181	3.5573	218	4.2885		
34	0.6522	71	1.3834	108	2.1146	145	2.8459	182	3.5771	219	4.3083		
35	0.6719	72	1.4032	109	2.1344	146	2.8656	183	3.5968	220	4.3281		
36	0.6917	73	1.4229	110	2.1542	147	2.8854	184	3.6166	221	4.3478		
37	0.7115	74	1.4427	111	2.1739	148	2.9051	185	3.6364	222	4.3676		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

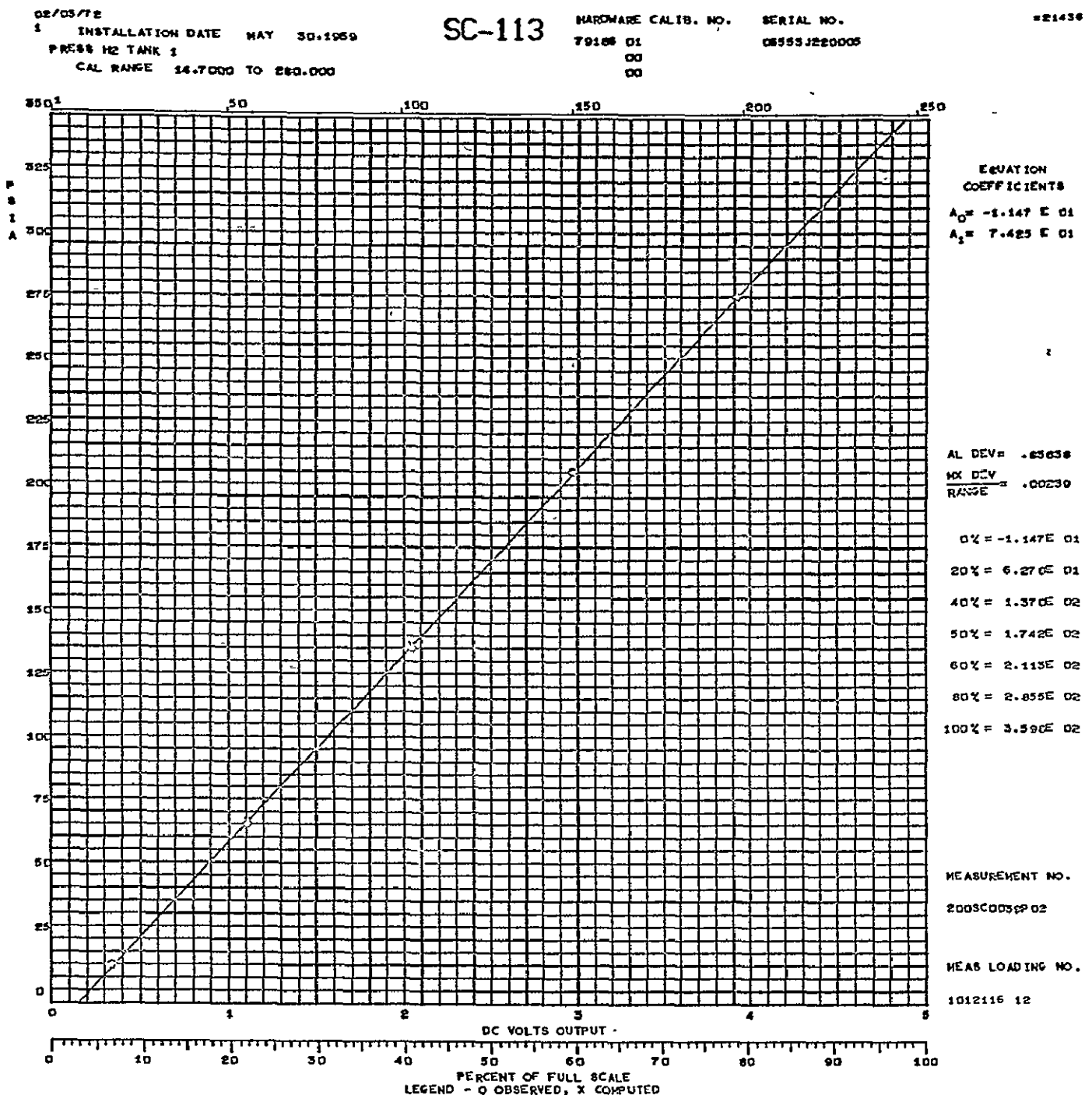

08/03/72
4 INSTALLATION DATE JAN. 16,1960
TEMP SM SKIN SURF LOC 7A
CAL RANGE -120.500 TO 259.581
SC-113
HARDWARE CALIB. NO.
76109 01
81403 03
00
SERIAL NO.
N/A
175
0000000000000000
=21436
EQUATION COEFFICIENTS
A0= -1.205 E 02
A1= 9.656 E 01
A2= -8.213 E 00
A3= 1.102 E 00
A4= -8.238 E-02
AL DEV= 0
MX DEV
RANGE = 0
0% = -1.205E 02
20% = -2.802E 01
40% = 5.403E 01
50% = 9.253E 01
60% = 1.296E 02
80% = 2.016E 02
100% = 2.696E 02
MEASUREMENT NO.
2005A1852T02
MEAS LOADING NO.
1014064 12
DEGF
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP ON SKIN SURF LOC 7A

MEASUREMENT NO. 2008A1652T02
VEHICLE SC-115
TRANSDUCER SERIAL NO. N/A
SIGNAL CONDITIONER SERIAL NO. 175
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 01/16/80

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-120.500	38	-51.633	75	10.918	112	69.101	149	124.296	186	177.526	223	228 442
2	-118.535	39	-49.689	76	12.541	113	70.627	150	125.757	187	178.734	224	229 795
3	-116.577	40	-48.110	77	14.160	114	72.151	151	127.215	188	180.140	225	231.146
4	-114.625	41	-46.356	78	15.776	115	73.673	152	128.672	189	181.544	226	232.496
5	-112.679	42	-44.605	79	17.389	116	75.196	153	130.126	190	182.947	227	233.845
6	-110.739	43	-42.850	80	19.000	117	76.711	154	131.580	191	184.348	228	235.192
7	-108.805	44	-41.116	81	20.607	118	78.226	155	133.031	192	185.748	229	236.537
8	-105.878	45	-39.381	82	22.211	119	79.740	156	134.482	193	187.146	230	237.880
9	-104.957	46	-37.649	83	23.812	120	81.252	157	135.930	194	188.544	231	239.222
10	-103.041	47	-35.920	84	25.411	121	82.761	158	137.378	195	189.939	232	240 562
11	-101.132	48	-34.195	85	27.006	122	84.269	159	138.823	196	191.334	233	241.900
12	-99.228	49	-32.476	86	28.599	123	85.775	160	140.268	197	192.727	234	243.237
13	-97.330	50	-30.760	87	30.189	124	87.279	161	141.711	198	194.119	235	244.572
14	-95.438	51	-29.048	88	31.776	125	88.781	162	143.152	199	195.509	236	245.905
15	-93.552	52	-27.340	89	33.360	126	90.281	163	144.592	200	196.898	237	247.236
16	-91.671	53	-25.636	90	34.941	127	91.779	164	146.031	201	198.285	238	248.565
17	-89.796	54	-23.935	91	36.520	128	93.275	165	147.468	202	199.671	239	249.893
18	-87.927	55	-22 240	92	38.097	129	94.770	166	148.904	203	201.056	240	251.219
19	-86.063	56	-20 547	93	39.670	130	96.263	167	150.338	204	202.439	241	252.545
20	-84.205	57	-18.859	94	41.241	131	97.754	168	151.771	205	203.821	242	253.865
21	-82.351	58	-17.174	95	42.809	132	99.243	169	153.208	206	205.201	243	255.185
22	-80.504	59	-15.494	96	44.375	133	100.730	170	154.633	207	206.580	244	256.504
23	-78.662	60	-13.817	97	45.938	134	102.216	171	156.062	208	207.958	245	257.821
24	-76.824	61	-12.143	98	47.499	135	103.699	172	157.489	209	209 334	246	259 135
25	-74.995	62	-10.473	99	49.058	136	105.182	173	158.915	210	210.708	247	260 448
26	-73.166	63	-8.807	100	50.613	137	106.662	174	160.339	211	212.082	248	261.759
27	-71.344	64	-7.145	101	52.167	138	108.141	175	161.763	212	213.453	249	263.068
28	-69.528	65	-5.486	102	53.718	139	109.618	176	163.184	213	214.823	250	264.374
29	-67.717	66	-3.830	103	55.266	140	111.093	177	164 605	214	216.192	251	265.679
30	-65.910	67	-2.178	104	56.813	141	112.567	178	166.024	215	217.559	252	266.982
31	-64.109	68	-0.529	105	58.357	142	114.039	179	167.442	216	218.925	253	268.282
32	-62.312	69	1.115	106	59.898	143	115.509	180	168.858	217	220.289	254	269.581
33	-60.520	70	2.758	107	61.438	144	116.978	181	170.273	218	221.652		
34	-58.733	71	4.395	108	62.975	145	118.445	182	171.687	219	223.013		
35	-56.951	72	6.032	109	64.510	146	119.911	183	173.099	220	224.372		
36	-55.174	73	7.664	110	66.042	147	121.375	184	174.510	221	225.730		
37	-53.401	74	9.295	111	67.573	148	122.837	185	175.919	222	227.087		



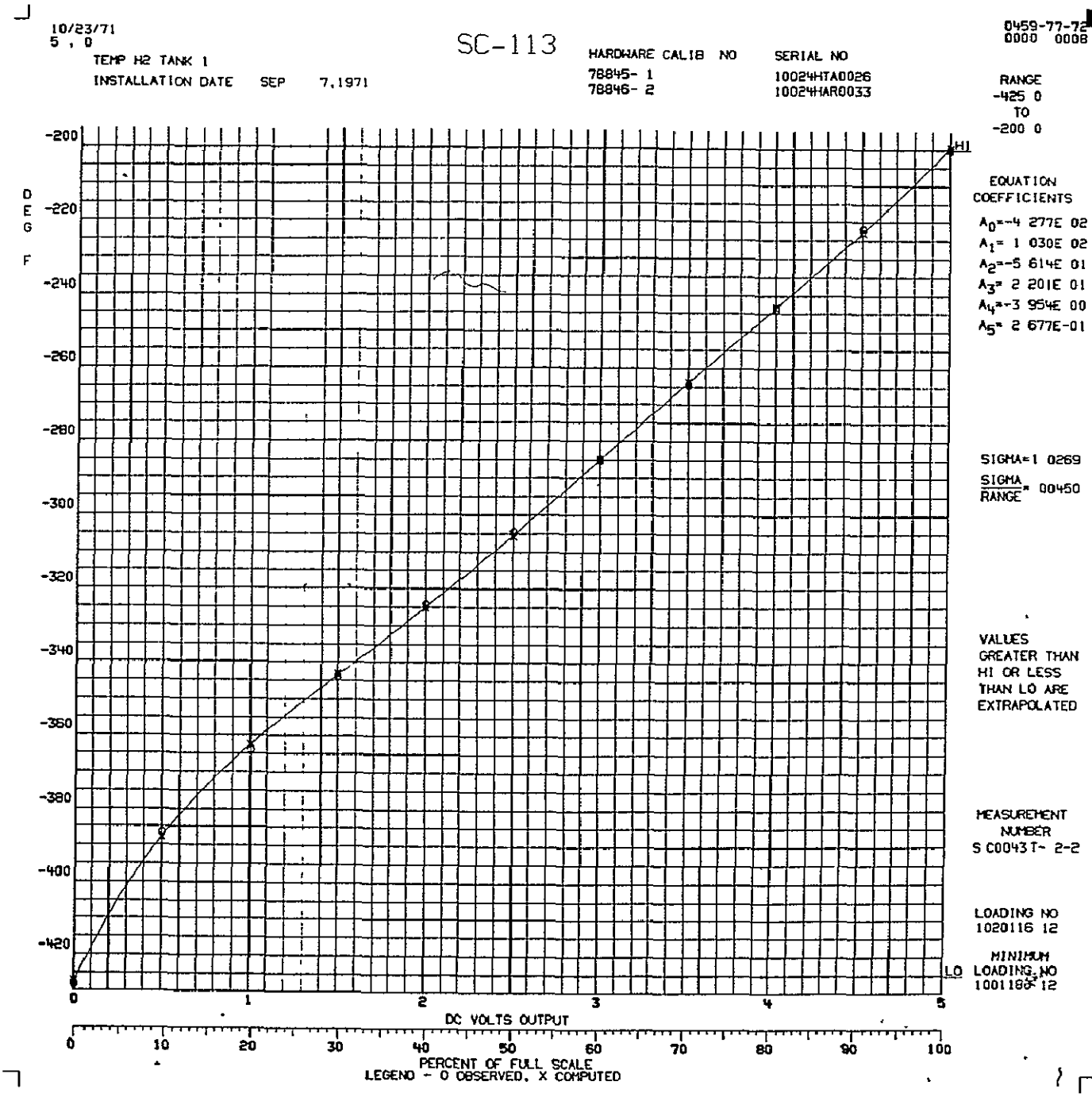
6-021 Change 1

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

PRESS H2 TANK 1

MEASUREMENT NO. 2005C005P02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 05553J220005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/30/69

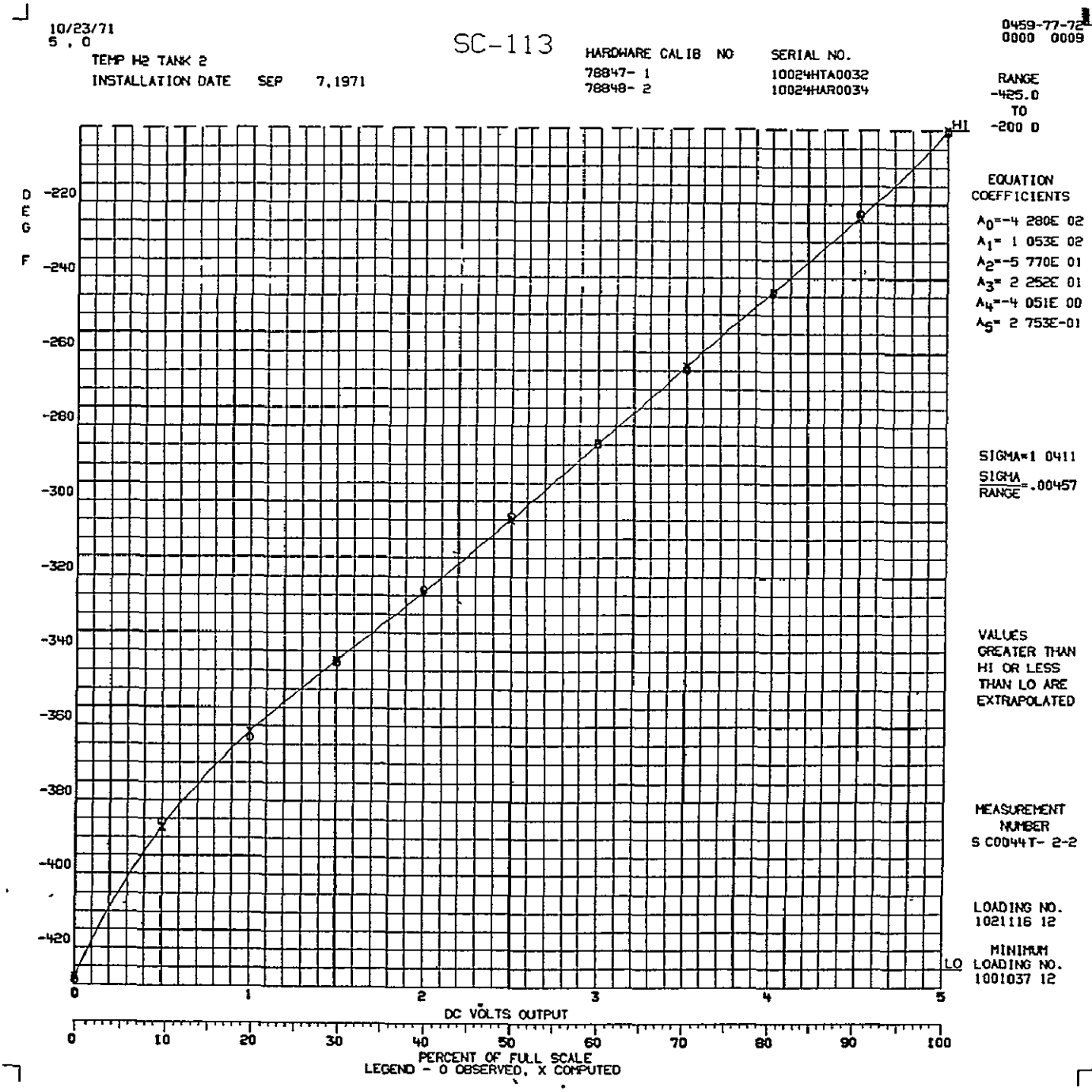
CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-11.473	38	42.821	75	97.116	112	151.410	149	205.705	186	259.999	223	314.293
2	-10.005	39	44.289	76	98.583	113	152.878	150	207.172	187	261.466	224	315.761
3	-8.538	40	45.756	77	100.051	114	154.345	151	208.639	188	262.934	225	317.228
4	-7.071	41	47.224	78	101.518	115	155.813	152	210.107	189	264.401	226	318.696
5	-5.605	42	48.691	79	102.986	116	157.280	153	211.574	190	265.869	227	320.163
6	-4.138	43	50.159	80	104.453	117	158.747	154	213.042	191	267.336	228	321.631
7	-2.668	44	51.626	81	105.920	118	160.215	155	214.509	192	268 804	229	323.098
8	-1.201	45	53.093	82	107.388	119	161.682	156	215.977	193	270 271	230	324.565
9	0.266	46	54.561	83	108.855	120	163.150	157	217.444	194	271.738	231	326.033
10	1.734	47	56.028	84	110.323	121	164.617	158	218.911	195	273.206	232	327.500
11	3.201	48	57.496	85	111.790	122	166.084	159	220.379	196	274.673	233	328.968
12	4.669	49	58.963	86	113.257	123	167.552	160	221.846	197	276.141	234	330.435
13	6.136	50	60.430	87	114.725	124	169.019	161	223.314	198	277.608	235	331.902
14	7.604	51	61.898	88	116.192	125	170.487	162	224.781	199	279.075	236	333.370
15	9.071	52	63.365	89	117.660	126	171.954	163	226.248	200	280 543	237	334.837
16	10.538	53	64.833	90	119.127	127	173.422	164	227.716	201	282.010	238	336.305
17	12.006	54	66.300	91	120.595	128	174.889	165	229.183	202	283.478	239	337.772
18	13.473	55	67.768	92	122.062	129	176.356	166	230 651	203	284.945	240	339.240
19	14.941	56	69.235	93	123.529	130	177.824	167	232.118	204	286.413	241	340.707
20	16.408	57	70.702	94	124.997	131	179.291	168	233.586	205	287.880	242	342.174
21	17.875	58	72.170	95	126.464	132	180.759	169	235.053	206	289.347	243	343.642
22	19.343	59	73.637	96	127.932	133	182.226	170	236.520	207	290.815	244	345.109
23	20.810	60	75.105	97	129.399	134	183.693	171	237.988	208	292.282	245	346.577
24	22.278	61	76.572	98	130.866	135	185.161	172	239.455	209	293.750	246	348.044
25	23.745	62	78.039	99	132 334	136	186.628	173	240.923	210	295.217	247	349.511
26	25.213	63	79.507	100	133.801	137	188.096	174	242.390	211	296.684	248	350.979
27	26.680	64	80.974	101	135.269	138	189.563	175	243.857	212	298 152	249	352.446
28	28.147	65	82.442	102	136.736	139	191.030	176	245.325	213	299 619	250	353.914
29	29.615	66	83.909	103	138.204	140	192.498	177	246.792	214	301.087	251	355.381
30	31.082	67	85.377	104	139 671	141	193.965	178	248.260	215	302.554	252	356.849
31	32.550	68	86.844	105	141.138	142	195.433	179	249.727	216	304.022	253	358.316
32	34.017	69	88.311	106	142 606	143	196.900	180	251.195	217	305.489	254	359.783
33	35.484	70	89.779	107	144.073	144	198.368	181	252.662	218	306.956		
34	36.952	71	91.246	108	145.541	145	199.835	182	254.129	219	308 424		
35	38.419	72	92.714	109	147.008	146	201.302	183	255.597	220	309.891		
36	39.887	73	94.181	110	148 475	147	202.770	184	257.064	221	311.359		
37	41.354	74	95.648	111	149 943	148	204.237	185	258.532	222	312.826		


10/23/71
5 , 0
TEMP H2 TANK 1
INSTALLATION DATE SEP 7,1971
SC-113
HARDWARE CALIB NO
78845- 1
78846- 2
SERIAL NO
10024HTA0026
10024HAR0033
0459-77-72
0000 0008
RANGE
-425 0
TO
-200 0
EQUATION
COEFFICIENTS
A0=-4 277E 02
A1= 1 030E 02
A2=-5 614E 01
A3= 2 201E 01
A4=-3 954E 00
A5= 2 677E-01
SIGMA=1 0269
SIGMA/RANGE= 00450
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C0043T- 2-2
LOADING NO
1020116 12
MINIMUM
LOADING NO
1001186 12
DEG F
-200
-220
-240
-260
-280
-300
-320
-340
-360
-380
-400
-420
HI
LO
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 10/23/71
MEASUREMENT S C0043 T - 2. 2. CALIBRATED 9/ 7/71
HARDWARE NUMBERS 78845- 1. VS. 78846- 2.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-427.7434	38	-374.9290	75	-344.6563	112	-317.5902	149	-288.0961	186	-257.5238	223	-227.4905
2*	-425.7300	39	-373.9408	76	-343.9323	113	-316.8283	150	-287.2713	187	-256.7064	224	-226.6650
3	-423.7595	40	-372.9672	77	-343.2097	114	-316.0643	151	-286.4457	188	-255.8897	225	-225.8369
4	-421.8309	41	-372.0078	78	-342.4881	115	-315.2981	152	-285.6195	189	-255.0739	226	-225.0061
5	-419.9431	42	-371.0620	79	-341.7675	116	-314.5296	153	-284.7926	190	-254.2588	227	-224.1723
6	-418.0952	43	-370.1293	80	-341.0475	117	-313.7589	154	-283.9652	191	-253.4445	228	-223.3354
7	-416.2862	44	-369.2092	81	-340.3281	118	-312.9861	155	-283.1373	192	-252.6309	229	-222.4951
8	-414.5152	45	-368.3012	82	-339.6091	119	-312.2110	156	-282.3089	193	-251.8181	230	-221.6512
9	-412.7813	46	-367.4049	83	-338.8902	120	-311.4338	157	-281.4802	194	-251.0060	231	-220.8034
10	-411.0836	47	-366.5197	84	-338.1714	121	-310.6544	158	-280.6512	195	-250.1945	232	-219.9516
11	-409.4210	48	-365.6452	85	-337.4525	122	-309.8729	159	-279.8219	196	-249.3837	233	-219.0953
12	-407.7929	49	-364.7810	86	-336.7332	123	-309.0893	160	-278.9925	197	-248.5735	234	-218.2345
13	-406.1982	50	-363.9266	87	-336.0136	124	-308.3035	161	-278.1629	198	-247.7639	235	-217.3687
14	-404.6362	51	-363.0816	88	-335.2934	125	-307.5157	162	-277.3332	199	-246.9548	236	-216.4978
15	-403.1060	52	-362.2455	89	-334.5725	126	-306.7259	163	-276.5035	200	-246.1462	237	-215.6214
16	-401.6067	53	-361.4180	90	-333.8508	127	-305.9340	164	-275.6739	201	-245.3380	238	-214.7393
17	-400.1376	54	-360.5986	91	-333.1282	128	-305.1402	165	-274.8443	202	-244.5302	239	-213.8511
18	-398.6977	55	-359.7870	92	-332.4046	129	-304.3444	166	-274.0149	203	-243.7227	240	-212.9565
19	-397.2865	56	-358.9827	93	-331.6798	130	-303.5468	167	-273.1857	204	-242.9154	241	-212.0552
20	-395.9029	57	-358.1854	94	-330.9538	131	-302.7473	168	-272.3568	205	-242.1083	242	-211.1469
21	-394.5464	58	-357.3948	95	-330.2264	132	-301.9460	169	-271.5281	206	-241.3012	243	-210.2313
22	-393.2161	59	-356.6104	96	-329.4976	133	-301.1429	170	-270.6998	207	-240.4942	244	-209.3079
23	-391.9112	60	-355.8319	97	-328.7673	134	-300.3381	171	-269.8719	208	-239.6871	245	-208.3764
24	-390.6312	61	-355.0591	98	-328.0354	135	-299.5316	172	-269.0444	209	-238.8797	246	-207.4366
25	-389.3751	62	-354.2915	99	-327.3019	136	-298.7235	173	-268.2174	210	-238.0721	247	-206.4879
26	-388.1424	63	-353.5288	100	-326.5666	137	-297.9139	174	-267.3909	211	-237.2641	248	-205.5300
27	-386.9323	64	-352.7707	101	-325.8295	138	-297.1027	175	-266.5650	212	-236.4556	249	-204.5625
28	-385.7442	65	-352.0170	102	-325.0906	139	-296.2901	176	-265.7396	213	-235.6465	250	-203.5851
29	-384.5774	66	-351.2673	103	-324.3498	140	-295.4761	177	-264.9148	214	-234.8366	251	-202.5972
30	-383.4312	67	-350.5213	104	-323.6070	141	-294.6607	178	-264.0907	215	-234.0258	252	-201.5986
31	-382.3050	68	-349.7788	105	-322.8623	142	-293.8440	179	-263.2673	216	-233.2141	253	-200.5886
32	-381.1981	69	-349.0395	106	-322.1155	143	-293.0261	180	-262.4445	217	-232.4011	254*	-199.5670
33	-380.1099	70	-348.3031	107	-321.3666	144	-292.2070	181	-261.6225	218	-231.5869		
34	-379.0399	71	-347.5693	108	-320.6156	145	-291.3868	182	-260.8012	219	-230.7712		
35	-377.9874	72	-346.8380	109	-319.8625	146	-290.5656	183	-259.9807	220	-229.9539		
36	-376.9518	73	-346.1089	110	-319.1072	147	-289.7433	184	-259.1610	221	-229.1348		
37	-375.9325	74	-345.3817	111	-318.3498	148	-288.9202	185	-258.3420	222	-228.3137		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


10/23/71
5 , 0
TEMP H2 TANK 2
INSTALLATION DATE SEP 7,1971
SC-113
HARDWARE CALIB NO
78847- 1
78848- 2
SERIAL NO.
10024HTA0032
10024HAR0034
0459-77-72
0000 0009
RANGE
-425.0
TO
-200 0
HI
LO
D
E
G
F
-220
-240
-260
-280
-300
-320
-340
-360
-380
-400
-420
EQUATION
COEFFICIENTS
A0=-4 280E 02
A1= 1 053E 02
A2=-5 770E 01
A3= 2 252E 01
A4=-4 051E 00
A5= 2 753E-01
SIGMA=1 0411
SIGMA/RANGE=.00457
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C0044T- 2-2
LOADING NO.
1021116 12
MINIMUM
LOADING NO.
1001037 12
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 10/23/71
MEASUREMENT S C0044 T - 2. 2. CALIBRATED 9/ 7/71
HARDWARE NUMBERS 78847- 1. VS. 78848- 2.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-428.0363	38	-374.2119	75	-343.7411	112	-316.8455	149	-287.7287	186	-257.6690	223	-228.1121
2*	-425.9783	39	-373.2105	76	-343.0181	113	-316.0915	150	-286.9163	187	-256.8662	224	-227.2955
3	-423.9645	40	-372.2244	77	-342.2966	114	-315.3354	151	-286.1033	188	-256.0642	225	-226.4760
4	-421.9936	41	-371.2529	78	-341.5765	115	-314.5773	152	-285.2897	189	-255.2629	226	-225.6534
5	-420.0647	42	-370.2955	79	-340.8575	116	-313.8171	153	-284.4756	190	-254.4624	227	-224.8276
6	-418.1769	43	-369.3518	80	-340.1395	117	-313.0548	154	-283.6610	191	-253.6626	228	-223.9981
7	-416.3291	44	-368.4212	81	-339.4222	118	-312.2905	155	-282.8461	192	-252.8635	229	-223.1649
8	-414.5204	45	-367.5032	82	-338.7055	119	-311.5241	156	-282.0308	193	-252.0651	230	-222.3277
9	-412.7498	46	-366.5973	83	-337.9893	120	-310.7557	157	-281.2152	194	-251.2674	231	-221.4861
10	-411.0164	47	-365.7031	84	-337.2732	121	-309.9853	158	-280.3994	195	-250.4703	232	-220.6400
11	-409.3193	48	-364.8200	85	-336.5573	122	-309.2129	159	-279.5835	196	-249.6738	233	-219.7891
12	-407.6575	49	-363.9476	86	-335.8413	123	-308.4384	160	-278.7674	197	-248.8778	234	-218.9331
13	-406.0302	50	-363.0855	87	-335.1250	124	-307.6620	161	-277.9513	198	-248.0823	235	-218.0717
14	-404.4365	51	-362.2332	88	-334.4085	125	-306.8837	162	-277.1353	199	-247.2872	236	-217.2046
15	-402.8756	52	-361.3903	89	-333.6914	126	-306.1035	163	-276.3192	200	-246.4926	237	-216.3315
16	-401.3465	53	-360.5563	90	-332.9737	127	-305.3214	164	-275.5033	201	-245.6982	238	-215.4522
17	-399.8485	54	-359.7309	91	-332.2553	128	-304.5374	165	-274.6876	202	-244.9042	239	-214.5662
18	-398.3806	55	-358.9136	92	-331.5361	129	-303.7517	166	-273.8721	203	-244.1103	240	-213.6732
19	-396.9422	56	-358.1041	93	-330.8159	130	-302.9641	167	-273.0568	204	-243.3165	241	-212.7730
20	-395.5324	57	-357.3019	94	-330.0946	131	-302.1749	168	-272.2419	205	-242.5227	242	-211.8651
21	-394.1504	58	-356.5068	95	-329.3722	132	-301.3839	169	-271.4274	206	-241.7289	243	-210.9492
22	-392.7954	59	-355.7182	96	-328.6485	133	-300.5914	170	-270.6132	207	-240.9350	244	-210.0250
23	-391.4667	60	-354.9360	97	-327.9236	134	-299.7972	171	-269.7995	208	-240.1407	245	-209.0920
24	-390.1636	61	-354.1597	98	-327.1971	135	-299.0015	172	-268.9863	209	-239.3462	246	-208.1499
25	-388.8852	62	-353.3889	99	-326.4692	136	-298.2043	173	-268.1736	210	-238.5511	247	-207.1983
26	-387.6310	63	-352.6235	100	-325.7398	137	-297.4056	174	-267.3614	211	-237.7555	248	-206.2368
27	-386.4001	64	-351.8630	101	-325.0087	138	-296.6055	175	-266.5499	212	-236.9592	249	-205.2649
28	-385.1919	65	-351.1071	102	-324.2759	139	-295.8041	176	-265.7390	213	-236.1620	250	-204.2823
29	-384.0057	66	-350.3556	103	-323.5414	140	-295.0014	177	-264.9287	214	-235.3639	251	-203.2885
30	-382.8407	67	-349.6081	104	-322.8051	141	-294.1975	178	-264.1191	215	-234.5647	252	-202.2831
31	-381.6965	68	-348.8644	105	-322.0670	142	-293.3924	179	-263.3102	216	-233.7642	253	-201.2656
32	-380.5722	69	-348.1241	106	-321.3269	143	-292.5862	180	-262.5020	217	-232.9623	254	-200.2355
33	-379.4673	70	-347.3870	107	-320.5850	144	-291.7789	181	-261.6946	218	-232.1589		
34	-378.3812	71	-346.6529	108	-319.8411	145	-290.9706	182	-260.8879	219	-231.3537		
35	-377.3132	72	-345.9215	109	-319.0952	146	-290.1614	183	-260.0820	220	-230.5466		
36	-376.2627	73	-345.1926	110	-318.3473	147	-289.3513	184	-259.2769	221	-229.7374		
37	-375.2291	74	-344.4658	111	-317.5974	148	-288.5404	185	-258.4726	222	-228.9260		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

6-032 Change 1

12/13/71
5 . 0

TEMP 02 TK 2 HEATERS

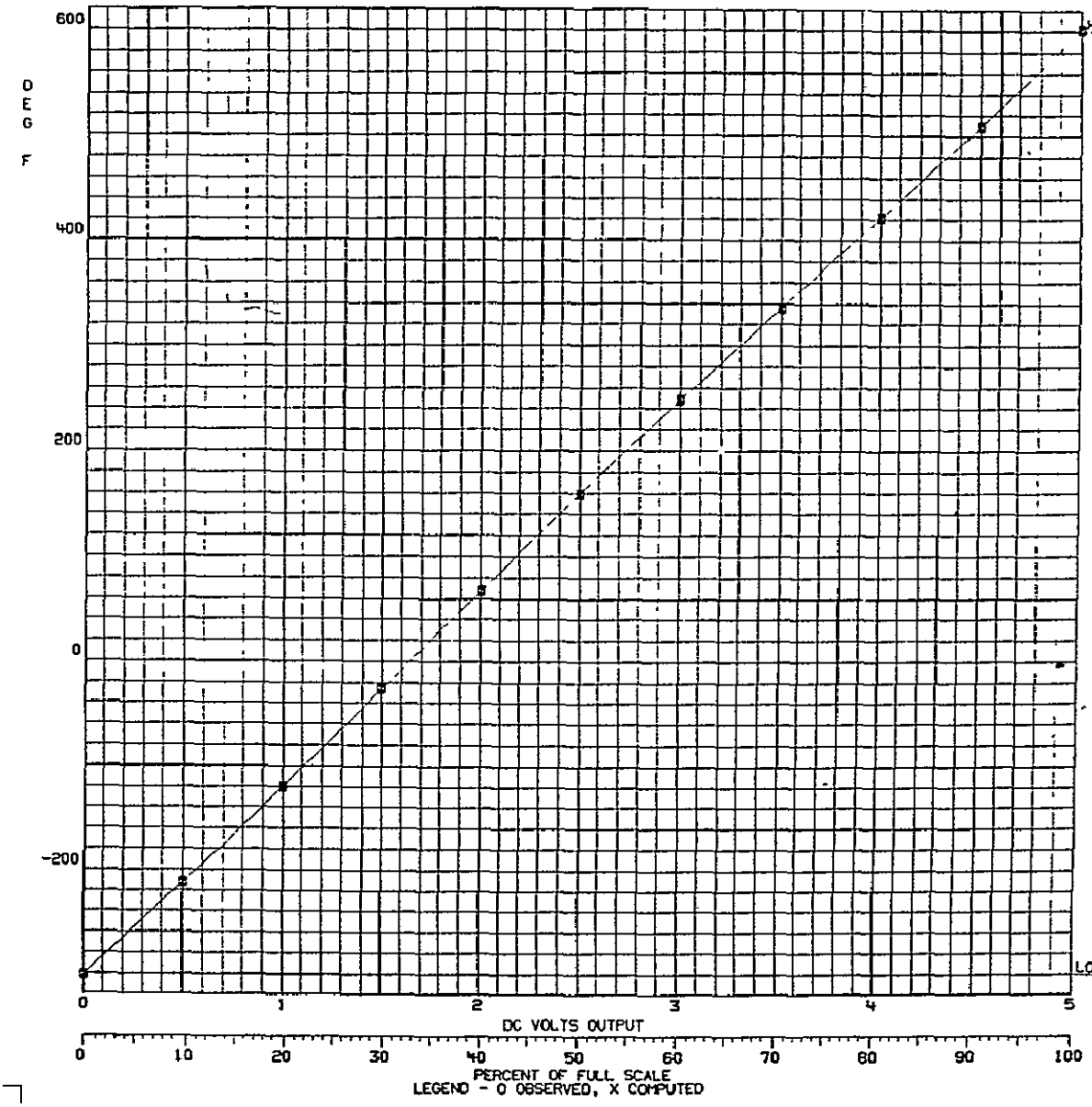
INSTALLATION DATE MAY 20,1971

SC-113

HARDWARE CALIB. NO.	SERIAL NO
78883- 1	10024XTA0035
78884- 1	10024XAR0033

0457-77-87
0000 0003

RANGE
-300 0
TO
600 0



EQUATION
COEFFICIENTS

A_0=-3 015E 02
A_1= 1 711E 02
A_2= 1 408E 01
A_3=-4 461E 00
A_4= 3 130E-01
A_5= 1 840E-02

SIGMA= 00382

$\frac{\text{SIGMA}}{\text{RANGE}}$= 00000

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S C0071 T- 2-2

LOADING NO
1037116 12

MINIMUM
LOADING NO.
1001080 12

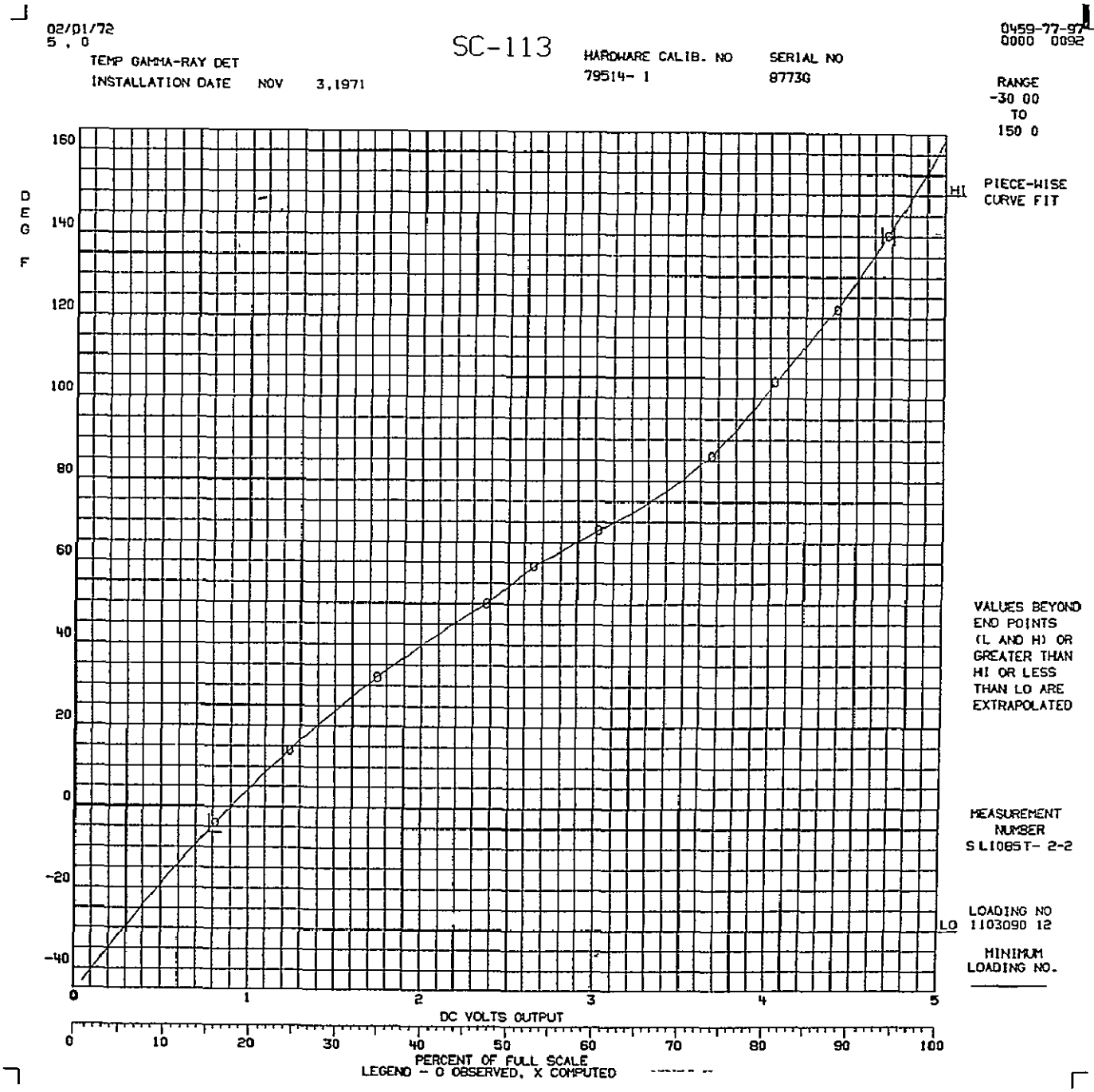
6-049 Change 1

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 12/13/71
MEASUREMENT S C007I T - 2. 2. CALIBRATED 5/20/71
HARDWARE NUMBERS 78883- 1. VS. 78884- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-301.5216	38	-170.4960	75	-33.5049	112	102.7854	149	234.7798	186	362.4159	223	489.6257
2	-298.1339	39	-166.8357	76	-29.7888	113	106.4178	150	238.2783	187	365.8322	224	493.1258
3	-294.7353	40	-163.1715	77	-26.0734	114	110.0469	151	241.7734	188	369.2480	225	496.6316
4	-291.3261	41	-159.5033	78	-22.3590	115	113.6725	152	245.2652	189	372.6634	226	500.1433
5	-287.9066	42	-155.8314	79	-18.6455	116	117.2946	153	248.7537	190	376.0787	227	503.6612
6	-284.4768	43	-152.1559	80	-14.9332	117	120.9133	154	252.2389	191	379.4938	228	507.1854
7	-281.0371	44	-148.4771	81	-11.2220	118	124.5285	155	255.7208	192	382.9090	229	510.7163
8	-277.5876	45	-144.7949	82	-7.5122	119	128.1401	156	259.1996	193	386.3244	230	514.2540
9	-274.1285	46	-141.1097	83	-3.8037	120	131.7481	157	262.6753	194	389.7401	231	517.7988
10	-270.6600	47	-137.4214	84	-0.0967	121	135.3525	158	256.1479	195	393.1563	232	521.3509
11	-267.1824	48	-133.7304	85	3.6087	122	138.9533	159	269.6175	196	396.5730	233	524.9105
12	-263.6957	49	-130.0367	86	7.3125	123	142.5505	160	273.0842	197	399.9905	234	528.4778
13	-260.2003	50	-126.3404	87	11.0146	124	146.1440	161	276.5479	198	403.4088	235	532.0532
14	-256.6962	51	-122.6418	88	14.7148	125	149.7338	162	280.0088	199	406.8282	236	535.6368
15	-253.1837	52	-118.9409	89	18.4131	126	153.3200	163	283.4669	200	410.2487	237	539.2290
16	-249.6630	53	-115.2379	90	22.1095	127	156.9024	164	286.9223	201	413.6705	238	542.8298
17	-246.1342	54	-111.5330	91	25.8037	128	160.4811	165	290.3751	202	417.0939	239	546.4397
18	-242.5977	55	-107.8262	92	29.4959	129	164.0561	166	293.8253	203	420.5188	240	550.0588
19	-239.0534	56	-104.1177	93	33.1858	130	167.6274	167	297.2730	204	423.9456	241	553.6874
20	-235.5017	57	-100.4077	94	36.8734	131	171.1950	168	300.7182	205	427.3743	242	557.3258
21	-231.9426	58	-96.6963	95	40.5587	132	174.7588	169	304.1611	206	430.8052	243	560.9742
22	-228.3765	59	-92.9835	96	44.2415	133	178.3189	170	307.6018	207	434.2383	244	564.6328
23	-224.8035	60	-89.2696	97	47.9218	134	181.8752	171	311.0402	208	437.6739	245	568.3021
24	-221.2237	61	-85.5547	98	51.5996	135	185.4278	172	314.4766	209	441.1121	246	571.9821
25	-217.6373	62	-81.8389	99	55.2747	136	188.9767	173	317.9109	210	444.5531	247	575.6733
26	-214.0445	63	-78.1222	100	58.9471	137	192.5219	174	321.3432	211	447.9972	248	579.3758
27	-210.4456	64	-74.4049	101	62.6168	138	196.0633	175	324.7738	212	451.4443	249	583.0900
28	-206.8405	65	-70.6871	102	66.2837	139	199.6011	176	328.2026	213	454.8948	250	586.8161
29	-203.2297	66	-66.9689	103	69.9476	140	203.1352	177	331.6297	214	458.3489	251	590.5544
30	-199.6131	67	-63.2503	104	73.6087	141	206.6656	178	335.0552	215	461.8066	252	594.3052
31	-195.9910	68	-59.5316	105	77.2667	142	210.1924	179	338.4793	216	465.2683	253	598.0689
32	-192.3636	69	-55.8128	106	80.9218	143	213.7156	180	341.9021	217	468.7340	254*	601.8456
33	-188.7310	70	-52.0940	107	84.5737	144	217.2351	181	345.3235	218	472.2041		
34	-185.0933	71	-48.3755	108	88.2225	145	220.7511	182	348.7439	219	475.6786		
35	-181.4509	72	-44.6572	109	91.8681	146	224.2635	183	352.1632	220	479.1579		
36	-177.8037	73	-40.9392	110	95.5105	147	227.7724	184	355.5815	221	482.6420		
37	-174.1520	74	-37.2218	111	99.1496	148	231.2778	185	358.9991	222	486.1312		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

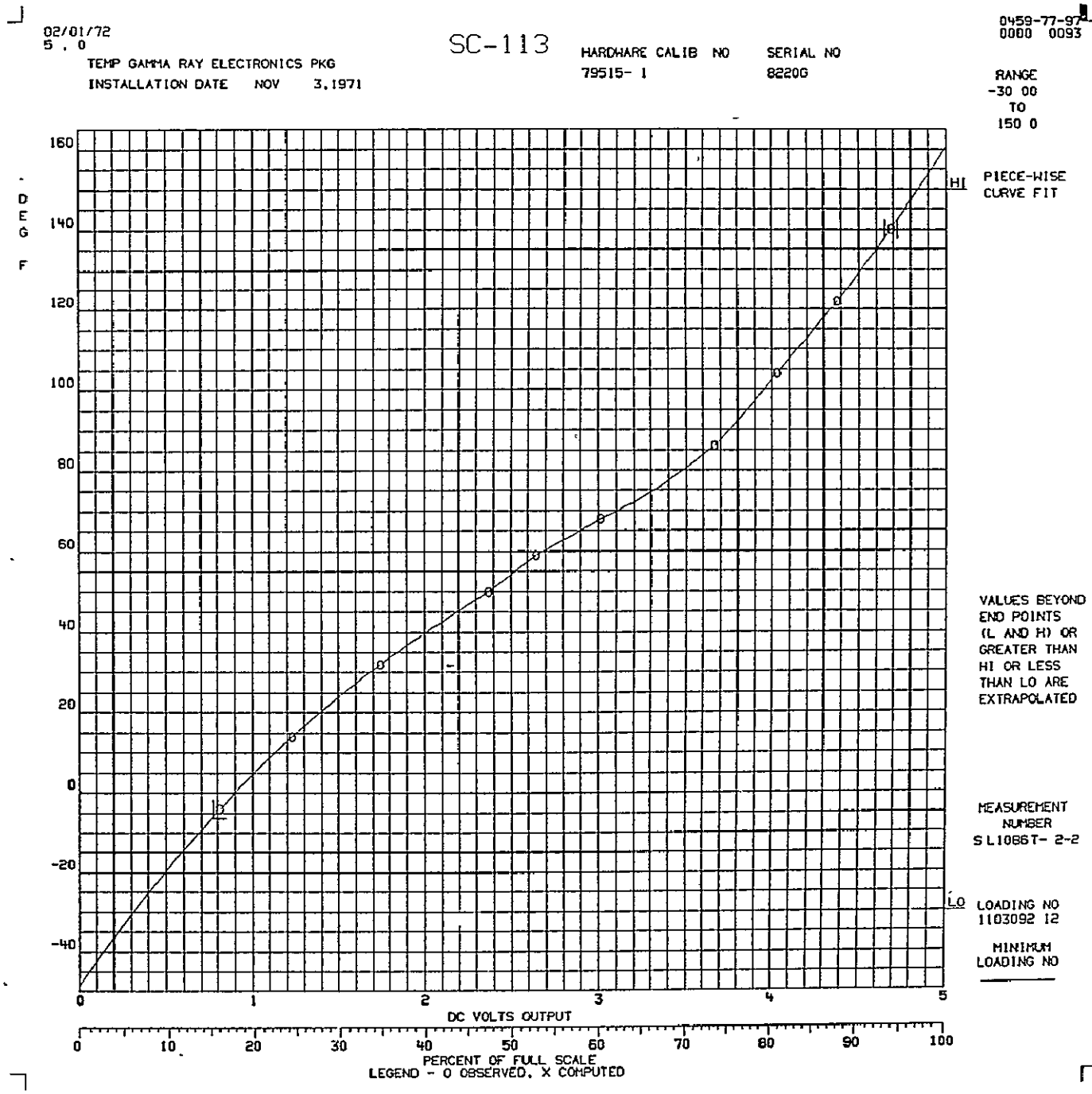
6-050 Change 1


02/01/72
5 . 0
SC-113
0459-77-97
0000 0092
TEMP GAMMA-RAY DET
INSTALLATION DATE NOV 3,1971
HARDWARE CALIB. NO
79514- 1
SERIAL NO
87730
RANGE
-30 00
TO
150 0
PIECE-WISE
CURVE FIT
HI
LO
DEG F
160
140
120
100
80
60
40
20
0
-20
-40
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S L1085T- 2-2
LOADING NO
1103090 12
MINIMUM
LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 02/01/72
MEASUREMENT S L1085 T - 2. 2. CALIBRATED 11/ 3/71
HARDWARE NUMBERS 79514- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1U	-46.2512	38U	-7.9279	75	22.3765	112	45.1874	149	65.7869	186	85.8617	223	122.5288
2U	-45.1108	39U	-7.0027	76	23.0859	113	45.7258	150	66.2804	187	86.6816	224	123.6552
3U	-43.9761	40U	-6.0832	77	23.7901	114	46.2609	151	66.7757	188	87.5427	225	124.7939
4U	-42.8473	41U	-5.1696	78	24.4892	115	46.7925	152	67.2726	189	88.4184	226	125.9448
5U	-41.7243	42U	-4.2618	79	25.1833	116	47.3207	153	67.7712	190	89.3088	227	127.1080
6U	-40.6071	43	-3.3598	80	25.8722	117	47.8455	154	68.2150	191	90.2140	228	128.2833
7U	-39.4957	44	-2.4636	81	26.5560	118	48.3669	155	68.6188	192	91.1339	229	129.4710
8U	-38.3902	45	-1.5733	82	27.2346	119	48.8850	156	69.0321	193	92.0685	230	130.6708
9U	-37.2904	46	-0.6887	83	27.9082	120	49.3996	157	69.4549	194	93.0178	231	131.8829
10U	-36.1965	47	0.1900	84	28.5767	121	49.9109	158	69.8871	195	93.9818	232	133.1073
11U	-35.1084	48	1.0629	85	29.2400	122	50.5314	159	70.3289	196	94.9605	233	134.3439
12U	-34.0261	49	1.9300	86	29.8983	123	51.1773	160	70.7801	197	95.9539	234	135.5927
13U	-32.9496	50	2.7913	87	30.5514	124	51.8251	161	71.2409	198	96.9620	235	136.8538
14U	-31.8790	51	3.6467	88	31.1994	125	52.4747	162	71.7112	199	97.9848	236	138.1271
15U	-30.8141	52	4.4964	89	31.8424	126	53.1263	163	72.1910	200	99.0223	237	139.4126
16U	-29.7551	53	5.3402	90	32.4658	127	53.7798	164	72.6803	201	100.0745	238U	140.7104
17U	-28.7019	54	6.1782	91	33.0809	128	54.4352	165	73.1791	202	101.1413	239U	142.0205
18U	-27.6545	55	7.0104	92	33.6924	129	55.0924	166	73.6874	203	102.2229	240U	143.3427
19U	-26.6129	56	7.8368	93	34.3003	130	55.7515	167	74.2053	204	103.3192	241U	144.6772
20U	-25.5771	57	8.6574	94	34.9048	131	56.4125	168	74.7327	205	104.3697	242U	146.0240
21U	-24.5472	58	9.4721	95	35.5057	132	57.0754	169	75.2697	206	105.3321	243U	147.3830
22U	-23.5230	59	10.2811	96	36.1031	133	57.7402	170	75.8162	207	106.2997	244U	148.7542
23U	-22.5047	60	11.0842	97	36.6970	134	58.4068	171	76.3722	208	107.2726	245U	150.1377
24U	-21.4922	61	11.8815	98	37.2873	135	59.0528	172	76.9378	209	108.2508	246U	151.5334
25U	-20.4856	62	12.6730	99	37.8742	136	59.5229	173	77.5129	210	109.2342	247U	152.9413
26U	-19.4847	63	13.4586	100	38.4576	137	59.9947	174	78.0977	211	110.2228	248U	154.3615
27U	-18.4896	64	14.2358	101	39.0374	138	60.4682	175	78.6919	212	111.2167	249U	155.7939
28U	-17.5004	65	15.0015	102	39.6138	139	60.9434	176	79.2958	213	112.2159	250U	157.2386
29U	-16.5170	66	15.7620	103	40.1868	140	61.4202	177	79.9092	214	113.2204	251U	158.6955
30U	-15.5394	67	16.5174	104	40.7562	141	61.8987	178	80.5322	215	114.2301	252U	160.1647
31U	-14.5676	68	17.2677	105	41.3222	142	62.3789	179	81.1648	216	115.2452	253U	161.6461
32U	-13.6016	69	18.0129	106	41.8847	143	62.8607	180	81.8070	217	116.2655	254U	163.1397
33U	-12.6415	70	18.7530	107	42.4437	144	63.3442	181	82.4588	218	117.2911		
34U	-11.6871	71	19.4879	108	42.9994	145	63.8294	182	83.1202	219	118.3220		
35U	-10.7386	72	20.2178	109	43.5515	146	64.3163	183	83.7911	220	119.3582		
36U	-9.7959	73	20.9425	110	44.1002	147	64.8048	184	84.4717	221	120.3996		
37U	-8.8590	74	21.6620	111	44.6455	148	65.2950	185	85.1619	222	121.4465		

(U --- CURVE UNDEFINED.)


02/01/72
5 . 0
TEMP GAMMA RAY ELECTRONICS PKG
INSTALLATION DATE NOV 3,1971
SC-113
HARDWARE CALIB NO
79515- 1
SERIAL NO
8220G
0459-77-97
0000 0093
RANGE
-30 00
TO
150 0
PIECE-WISE
CURVE FIT
VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S L1086T- 2-2
LOADING NO
1103092 12
MINIMUM
LOADING NO
HI
LO
D E G F
160
140
120
100
80
60
40
20
0
-20
-40
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 02/01/72
MEASUREMENT S L1086 T - 2. 2. CALIBRATED 11/ 3/71
HARDWARE NUMBERS 79515- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1U	-48.5666	38U	-7.9301	75	22.6339	112	45.1925	149	65.7599	186	85.7198	223	122.6276
2U	-47.3384	39U	-6.9690	76	23.3265	113	45.7345	150	66.2540	187	86.5108	224	123.7266
3U	-46.1174	40U	-6.0150	77	24.0140	114	46.2734	151	66.7497	188	87.3718	225	124.8340
4U	-44.9036	41U	-5.0684	78	24.6966	115	46.8094	152	67.2470	189	88.2480	226	125.9497
5U	-43.6970	42U	-4.1289	79	25.3742	116	47.3423	153	67.7458	190	89.1393	227	127.0737
6U	-42.4977	43	-3.1966	80	26.0468	117	47.8722	154	68.1929	191	90.0457	228	128.2060
7U	-41.3056	44	-2.2716	81	26.7145	118	48.3992	155	68.5924	192	90.9671	229	129.3467
8U	-40.1207	45	-1.3538	82	27.3772	119	48.9231	156	69.0014	193	91.9037	230	130.4957
9U	-38.9430	46	-0.4432	83	28.0350	120	49.4440	157	69.4199	194	92.8554	231	131.6530
10U	-37.7725	47	0.4602	84	28.6878	121	49.9619	158	69.8479	195	93.8221	232	132.8187
11U	-36.6092	48	1.3563	85	29.3356	122	50.5894	159	70.2855	196	94.8040	233	133.9926
12U	-35.4532	49	2.2453	86	29.9786	123	51.2274	160	70.7326	197	95.8009	234	135.1749
13U	-34.3044	50	3.1270	87	30.6165	124	51.8670	161	71.1892	198	96.8129	235	136.3655
14U	-33.1628	51	4.0015	88	31.2495	125	52.5081	162	71.6554	199	97.8400	236	137.5645
15U	-32.0284	52	4.8688	89	31.8776	126	53.1509	163	72.1312	200	98.8822	237	138.7718
16U	-30.9012	53	5.7288	90	32.4927	127	53.7953	164	72.6165	201	99.9395	238	139.9874
17U	-29.7813	54	6.5817	91	33.1025	128	54.4413	165	73.1113	202	101.0119	239U	141.2113
18U	-28.6686	55	7.4273	92	33.7092	129	55.0888	166	73.6157	203	102.0993	240U	142.4435
19U	-27.5631	56	8.2657	93	34.3128	130	55.7380	167	74.1297	204	103.2018	241U	143.6841
20U	-26.4648	57	9.0969	94	34.9132	131	56.3887	168	74.6533	205	104.2783	242U	144.9330
21U	-25.3737	58	9.9209	95	35.5105	132	57.0410	169	75.1864	206	105.2597	243U	146.1902
22U	-24.2899	59	10.7376	96	36.1047	133	57.6949	170	75.7292	207	106.2454	244U	147.4558
23U	-23.2132	60	11.5472	97	36.6958	134	58.3504	171	76.2815	208	107.2355	245U	148.7297
24U	-22.1438	61	12.3495	98	37.2838	135	59.0053	172	76.8434	209	108.2298	246U	150.0119
25U	-21.0816	62	13.1446	99	37.8687	136	59.4777	173	77.4149	210	109.2285	247U	151.3024
26U	-20.0267	63	13.9324	100	38.4505	137	59.9516	174	77.9960	211	110.2315	248U	152.6012
27U	-18.9789	64	14.6873	101	39.0292	138	60.4271	175	78.5867	212	111.2389	249U	153.9084
28U	-17.9384	65	15.4347	102	39.6049	139	60.9041	176	79.1870	213	112.2506	250U	155.2239
29U	-16.9051	66	16.1771	103	40.1774	140	61.3827	177	79.7969	214	113.2666	251U	156.5478
30U	-15.8790	67	16.9145	104	40.7469	141	61.8628	178	80.4165	215	114.2870	252U	157.8799
31U	-14.8601	68	17.6469	105	41.3133	142	62.3445	179	81.0457	216	115.3117	253U	159.2204
32U	-13.8484	69	18.3743	106	41.8766	143	62.8278	180	81.6845	217	116.3408	254U	160.5692
33U	-12.8440	70	19.0967	107	42.4369	144	63.3126	181	82.3329	218	117.3742		
34U	-11.8468	71	19.8141	108	42.9941	145	63.7989	182	82.9910	219	118.4120		
35U	-10.8568	72	20.5265	109	43.5482	146	64.2868	183	83.6587	220	119.4541		
36U	-9.8740	73	21.2340	110	44.0993	147	64.7763	184	84.3361	221	120.5006		
37U	-8.8984	74	21.9364	111	44.6474	148	65.2673	185	85.0231	222	121.5515		

(U --- CURVE UNDEFINED.)

01/12/72
1 , 0

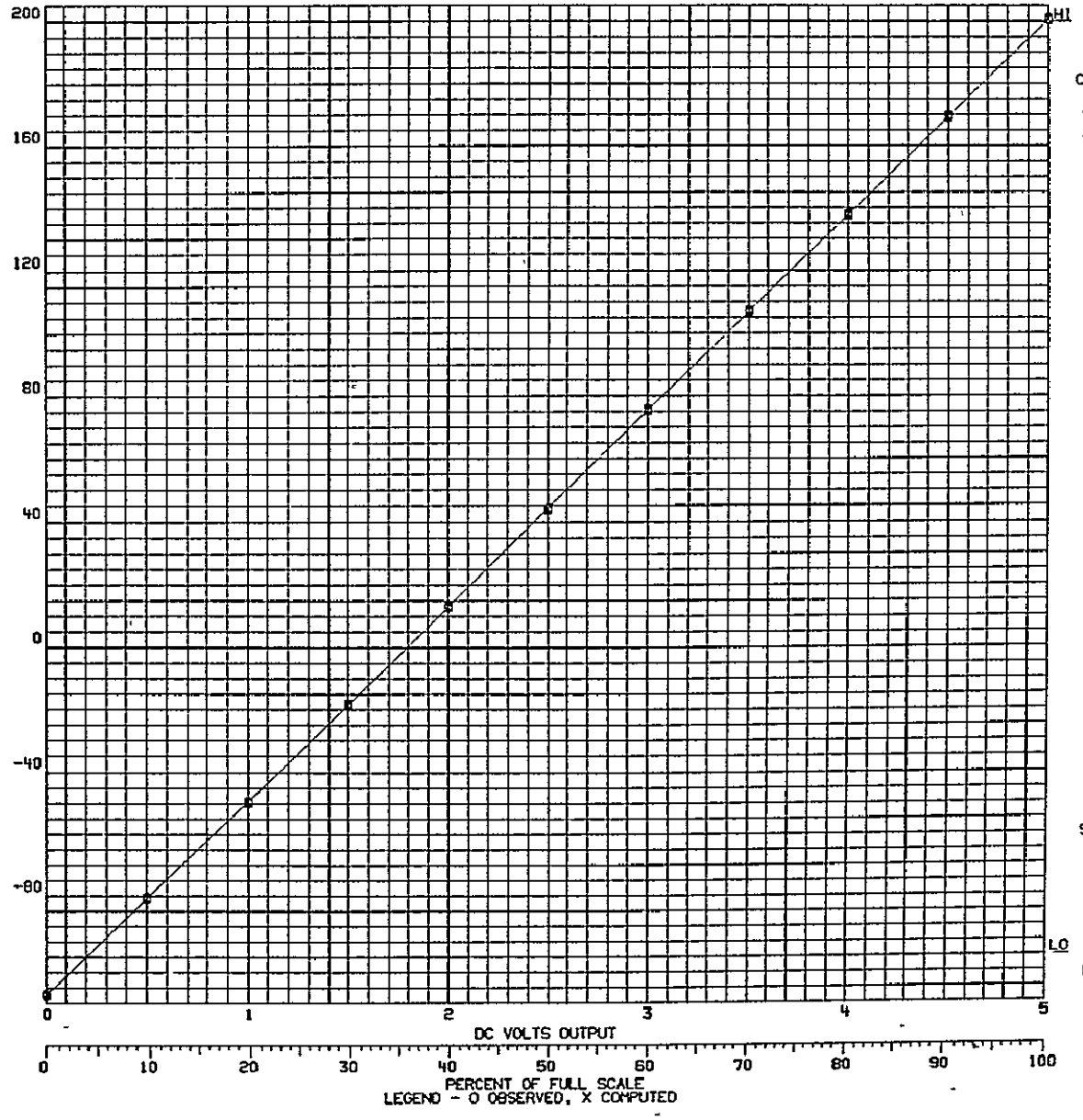
TMP THRM ENVIR-GAMMA RAY STR
INSTALLATION DATE JAN 10,1972

SC-113

HARDWARE CALIB NO.	SERIAL NO
78390- 1	10095421935A
79416-30	10308612558C

0459-77-92
0000 0022

RANGE
-100 0
TO
200 0



EQUATION COEFFICIENTS

A_0=-1 122E 02
A_1= 6 254E 01

SIGMA= 00000

$\frac{SIGMA}{RANGE}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S L1208T- 2-2

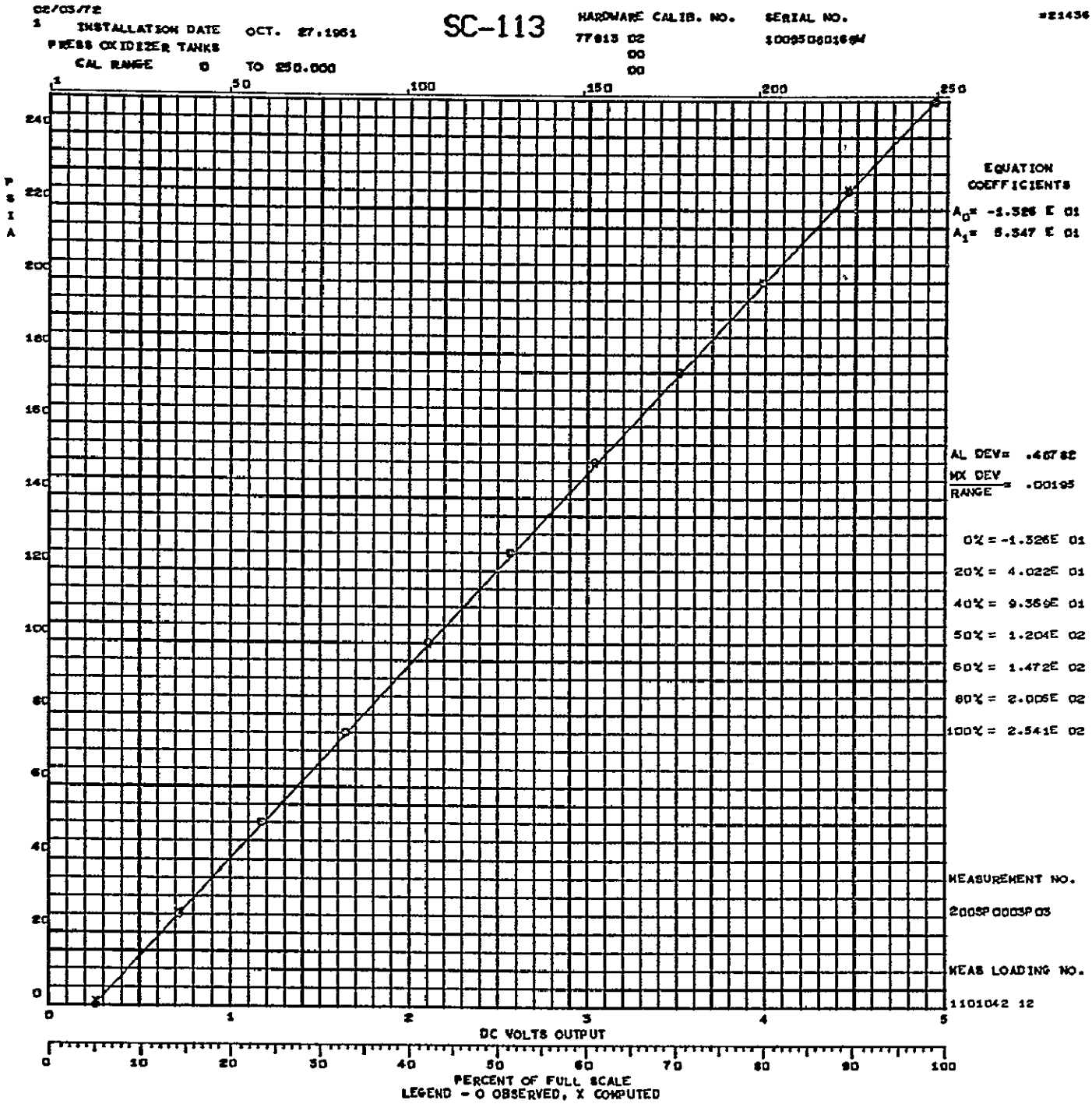
LOADING NO
1104058 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S L1208 T - 2. 2. CALIBRATED 1/10/72
HARDWARE NUMBERS 78390- 1. VS. 79416- 30.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-112.1619	38	-66.4308	75	-20.6996	112	25.0315	149	70.7627	186	116.4938	223	162.2250
2*	-110.9259	39	-65.1948	76	-19.4636	113	26.2675	150	71.9988	187	117.7298	224	163.4609
3*	-109.6900	40	-63.9588	77	-18.2277	114	27.5035	151	73.2346	188	118.9658	225	164.6969
4*	-108.4540	41	-62.7228	78	-16.9917	115	28.7395	152	74.4706	189	120.2017	226	165.9329
5*	-107.2180	42	-61.4869	79	-15.7557	116	29.9754	153	75.7066	190	121.4377	227	167.1689
6*	-105.9820	43	-60.2509	80	-14.5197	117	31.2114	154	76.9426	191	122.6737	228	168.4048
7*	-104.7460	44	-59.0149	81	-13.2838	118	32.4474	155	78.1785	192	123.9097	229	169.6408
8*	-103.5101	45	-57.7789	82	-12.0478	119	33.6834	156	79.4145	193	125.1457	230	170.8768
9*	-102.2741	46	-56.5429	83	-10.8118	120	34.9193	157	80.6505	194	126.3816	231	172.1128
10*	-101.0381	47	-55.3070	84	-9.5758	121	36.1553	158	81.8865	195	127.6176	232	173.3488
11	-99.8021	48	-54.0710	85	-8.3398	122	37.3913	159	83.1224	196	128.8536	233	174.5847
12	-98.5662	49	-52.8350	86	-7.1039	123	38.6273	160	84.3584	197	130.0896	234	175.8207
13	-97.3302	50	-51.5990	87	-5.8679	124	39.8632	161	85.5944	198	131.3255	235	177.0567
14	-96.0942	51	-50.3631	88	-4.6319	125	41.0992	162	86.8304	199	132.5615	236	178.2927
15	-94.8582	52	-49.1271	89	-3.3959	126	42.3352	163	88.0663	200	133.7975	237	179.5286
16	-93.6223	53	-47.8911	90	-2.1600	127	43.5712	164	89.3023	201	135.0335	238	180.7646
17	-92.3863	54	-46.6551	91	-0.9240	128	44.8072	165	90.5383	202	136.2694	239	182.0006
18	-91.1503	55	-45.4192	92	0.3120	129	46.0431	166	91.7743	203	137.5054	240	183.2366
19	-89.9143	56	-44.1832	93	1.5480	130	47.2791	167	93.0103	204	138.7414	241	184.4725
20	-88.6783	57	-42.9472	94	2.7839	131	48.5151	168	94.2462	205	139.9774	242	185.7085
21	-87.4424	58	-41.7112	95	4.0199	132	49.7511	169	95.4822	206	141.2134	243	186.9445
22	-86.2064	59	-40.4752	96	5.2559	133	50.9870	170	96.7182	207	142.4493	244	188.1805
23	-84.9704	60	-39.2393	97	6.4919	134	52.2230	171	97.9542	208	143.6853	245	189.4165
24	-83.7344	61	-38.0033	98	7.7279	135	53.4590	172	99.1901	209	144.9213	246	190.6524
25	-82.4985	62	-36.7673	99	8.9638	136	54.6950	173	100.4261	210	146.1573	247	191.8884
26	-81.2625	63	-35.5313	100	10.1998	137	55.9309	174	101.6621	211	147.3932	248	193.1244
27	-80.0265	64	-34.2954	101	11.4358	138	57.1669	175	102.8981	212	148.6292	249	194.3604
28	-78.7905	65	-33.0594	102	12.6718	139	58.4029	176	104.1340	213	149.8652	250	195.5963
29	-77.5546	66	-31.8234	103	13.9077	140	59.6389	177	105.3700	214	151.1012	251	196.8323
30	-76.3186	67	-30.5874	104	15.1437	141	60.8749	178	106.6060	215	152.3371	252	198.0683
31	-75.0826	68	-29.3515	105	16.3797	142	62.1108	179	107.8420	216	153.5731	253	199.3043
32	-73.8466	69	-28.1155	106	17.6157	143	63.3468	180	109.0780	217	154.8091	254*	200.5402
33	-72.6106	70	-26.8795	107	18.8516	144	64.5828	181	110.3139	218	156.0451		
34	-71.3747	71	-25.6435	108	20.0876	145	65.8188	182	111.5499	219	157.2811		
35	-70.1387	72	-24.4075	109	21.3236	146	67.0547	183	112.7859	220	158.5170		
36	-68.9027	73	-23.1716	110	22.5596	147	68.2907	184	114.0219	221	159.7530		
37	-67.6667	74	-21.9356	111	23.7955	148	69.5267	185	115.2578	222	160.9890		

(* —— EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

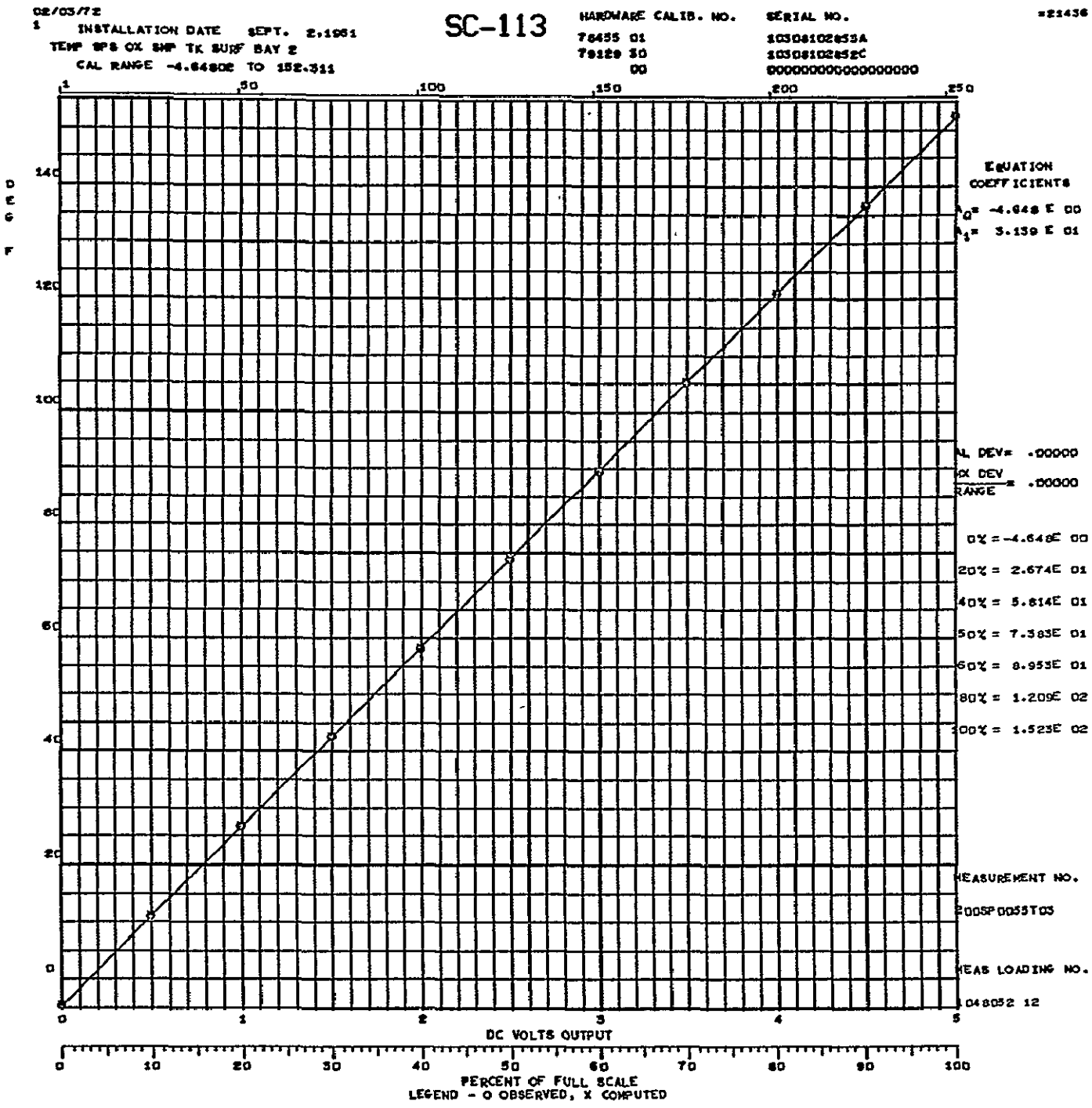

02/03/72
1 INSTALLATION DATE OCT. 27,1961
PRESS OXIDIZER TANKS
CAL RANGE 0 TO 250.000
SC-113
HARDWARE CALIB. NO.
77813 02
00
00
SERIAL NO.
#21436
PSIA
EQUATION COEFFICIENTS
A_0= -1.326 E 01
A_1= 5.347 E 01
AL DEV= .46782
MX DEV / RANGE = .00195
0% = -1.326E 01
20% = 4.022E 01
40% = 9.369E 01
50% = 1.204E 02
60% = 1.472E 02
80% = 2.005E 02
100% = 2.541E 02
MEASUREMENT NO.
2005P0003P05
MEAS LOADING NO.
1101042 12
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

PRESS OXIDIZER TANKS

MEASUREMENT NO. 2005P0003P05
VEHICLE SC-115
TRANSDUCER SERIAL NO. 1005S00016W
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 10/27/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-15.257	38	25.844	75	64.945	112	104.046	149	143.146	186	182.247	223	221.348
2	-12.200	39	26.901	76	66.001	113	105.102	150	144.205	187	183.304	224	222.405
3	-11.143	40	27.957	77	67.058	114	106.159	151	145.260	188	184.361	225	223.462
4	-10.087	41	29.014	78	68.115	115	107.216	152	146.317	189	185.418	226	224.518
5	-9.030	42	30.071	79	69.172	116	108.273	153	147.373	190	186.474	227	225.575
6	-7.973	43	31.128	80	70.229	117	109.329	154	148.430	191	187.531	228	226.632
7	-6.916	44	32.185	81	71.285	118	110.386	155	149.487	192	188.588	229	227.689
8	-5.860	45	33.241	82	72.342	119	111.443	156	150.544	193	189.645	230	228.746
9	-4.805	46	34.298	83	73.399	120	112.500	157	151.601	194	190.701	231	229.802
10	-3.746	47	35.355	84	74.456	121	113.557	158	152.657	195	191.758	232	230.859
11	-2.689	48	36.412	85	75.512	122	114.613	159	153.714	196	192.815	233	231.916
12	-1.632	49	37.468	86	76.569	123	115.670	160	154.771	197	193.872	234	232.973
13	-0.576	50	38.525	87	77.626	124	116.727	161	155.828	198	194.929	235	234.029
14	0.481	51	39.582	88	78.683	125	117.784	162	156.885	199	195.985	236	235.086
15	1.538	52	40.639	89	79.740	126	118.840	163	157.941	200	197.042	237	236.143
16	2.595	53	41.696	90	80.795	127	119.897	164	158.998	201	198.099	238	237.200
17	3.651	54	42.752	91	81.853	128	120.954	165	160.055	202	199.156	239	238.257
18	4.708	55	43.809	92	82.910	129	122.011	166	161.112	203	200.212	240	239.313
19	5.765	56	44.866	93	83.967	130	123.068	167	162.168	204	201.269	241	240.370
20	6.822	57	45.923	94	85.024	131	124.124	168	163.225	205	202.326	242	241.427
21	7.879	58	46.979	95	86.080	132	125.181	169	164.282	206	203.383	243	242.484
22	8.935	59	48.033	96	87.137	133	126.238	170	165.339	207	204.440	244	243.540
23	9.992	60	49.093	97	88.194	134	127.295	171	166.396	208	205.496	245	244.597
24	11.049	61	50.150	98	89.251	135	128.351	172	167.452	209	206.553	246	245.654
25	12.105	62	51.207	99	90.307	136	129.408	173	168.509	210	207.610	247	246.711
26	13.163	63	52.263	100	91.364	137	130.465	174	169.566	211	208.667	248	247.768
27	14.219	64	53.320	101	92.421	138	131.522	175	170 623	212	209.723	249	248.824
28	15.276	65	54.377	102	93.478	139	132.579	176	171.679	213	210.780	250	249.881
29	16.333	66	55.434	103	94.535	140	133.635	177	172.736	214	211.837	251	250.938
30	17.390	67	56.490	104	95.591	141	134.692	178	173.793	215	212.894	252	251.995
31	18.446	68	57.547	105	96.648	142	135.749	179	174.850	216	213.951	253	253.051
32	19.505	69	58 604	106	97.705	143	136.806	180	175.907	217	215.007	254	254.108
33	20.560	70	59 661	107	98.762	144	137.862	181	176.963	218	216.064		
34	21.617	71	60.718	108	99.818	145	138.919	182	178.020	219	217.121		
35	22.674	72	61.774	109	100.875	146	139.976	183	179.077	220	218.178		
36	23.730	73	62.831	110	101.932	147	141.033	184	180.134	221	219.235		
37	24.787	74	63.888	111	102.989	148	142.090	185	181.190	222	220.291		

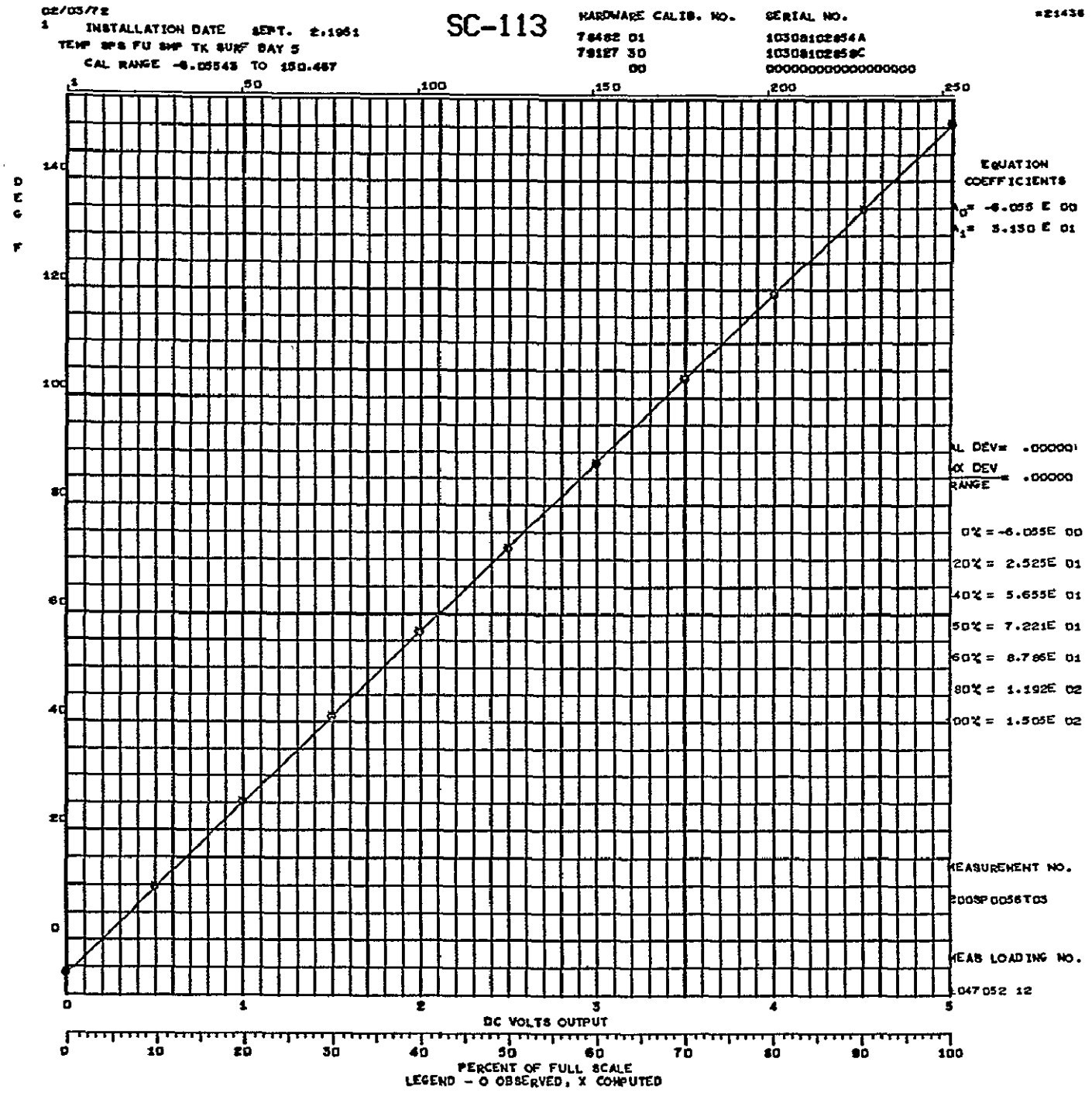

02/03/72
1 INSTALLATION DATE SEPT. 2,1961
TEMP IPS OX SMP TK SURF BAY 2
CAL RANGE -4.64802 TO 152.311
SC-113
HARDWARE CALIB. NO.
76455 01
79129 30
00
SERIAL NO.
10308102853A
10308102852C
0000000000000000
=21436
EQUATION COEFFICIENTS
A0= -4.648 E 00
A1= 3.139 E 01
AL DEV= .00000
%X DEV / RANGE = .00000
0% = -4.648E 00
20% = 2.674E 01
40% = 5.814E 01
60% = 7.383E 01
80% = 8.953E 01
100% = 1.523E 02
MEASUREMENT NO.
2005P0055T03
MEAS LOADING NO.
048052 12
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP IPS OX SMP TK SURF BAY 2

MEASUREMENT NO. 2008P0055T05
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10508102053A
SIGNAL CONDITIONER SERIAL NO. 10508102052C
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-4.648	38	16.307	75	41.251	112	64.215	149	87.170	186	110.125	223	133.079
2	-4.028	39	16.927	76	41.881	113	64.836	150	87.790	187	110.745	224	133.700
3	-3.407	40	19.547	77	42.502	114	65.456	151	88.411	188	111.365	225	134.320
4	-2.787	41	20.168	78	43.122	115	66.077	152	89.031	189	111.986	226	134.940
5	-2.166	42	20.788	79	43.743	116	66.697	153	89.652	190	112.606	227	135.561
6	-1.546	43	21.408	80	44.363	117	67.318	154	90.272	191	113.227	228	136.181
7	-0.926	44	22.029	81	44.983	118	67.938	155	90.892	192	113.847	229	136.802
8	-0.305	45	22.649	82	45.604	119	68.558	156	91.513	193	114.467	230	137.422
9	0.315	46	23.270	83	46.224	120	69.179	157	92.133	194	115.088	231	138.042
10	0.935	47	23.890	84	46.845	121	69.799	158	92.754	195	115.708	232	138.663
11	1.556	48	24.510	85	47.465	122	70.419	159	93.374	196	116.329	233	139.283
12	2.176	49	25.131	86	48.085	123	71.040	160	93.994	197	116.949	234	139.904
13	2.797	50	25.751	87	48.706	124	71.660	161	94.615	198	117.569	235	140.524
14	3.417	51	26.372	88	49.326	125	72.281	162	95.235	199	118.190	236	141.144
15	4.037	52	26.992	89	49.947	126	72.901	163	95.856	200	118.810	237	141.765
16	4.658	53	27.612	90	50.567	127	73.521	164	96.476	201	119.431	238	142.385
17	5.278	54	28.233	91	51.187	128	74.142	165	97.096	202	120.051	239	143.005
18	5.899	55	28.853	92	51.808	129	74.762	166	97.717	203	120.671	240	143.626
19	6.519	56	29.474	93	52.428	130	75.383	167	98.337	204	121.292	241	144.246
20	7.139	57	30.094	94	53.048	131	76.003	168	98.958	205	121.912	242	144.867
21	7.760	58	30.714	95	53.669	132	76.623	169	99.578	206	122.532	243	145.487
22	8.380	59	31.335	96	54.289	133	77.244	170	100.198	207	123.153	244	146.107
23	9.001	60	31.955	97	54.910	134	77.864	171	100.819	208	123.773	245	146.728
24	9.621	61	32.576	98	55.530	135	78.485	172	101.439	209	124.394	246	147.348
25	10.241	62	33.196	99	56.150	136	79.105	173	102.060	210	125.014	247	147.969
26	10.862	63	33.816	100	56.771	137	79.725	174	102.680	211	125.634	248	148.589
27	11.482	64	34.437	101	57.391	138	80 346	175	103.300	212	126.255	249	149.209
28	12.103	65	35.057	102	58.012	139	80.966	176	103.921	213	126.875	250	149.830
29	12.723	66	35.678	103	58.632	140	81.587	177	104.541	214	127.496	251	150.450
30	13.343	67	36.298	104	59.252	141	82.207	178	105.161	215	128.116	252	151.071
31	13.964	68	36.918	105	59.873	142	82.827	179	105.782	216	128.736	253	151.691
32	14.584	69	37.539	106	60.493	143	83.448	180	106.402	217	129 357	254	152.311
33	15.205	70	38.159	107	61.114	144	84.068	181	107.023	218	129.977		
34	15.825	71	38 779	108	61.734	145	84 609	182	107.643	219	130.598		
35	16.445	72	39 400	109	62.354	146	85.309	183	108.263	220	131.218		
36	17.056	73	40 020	110	62.975	147	85.929	184	108.884	221	131.838		
37	17.686	74	40 641	111	63.595	148	86.550	185	109.504	222	132.459		

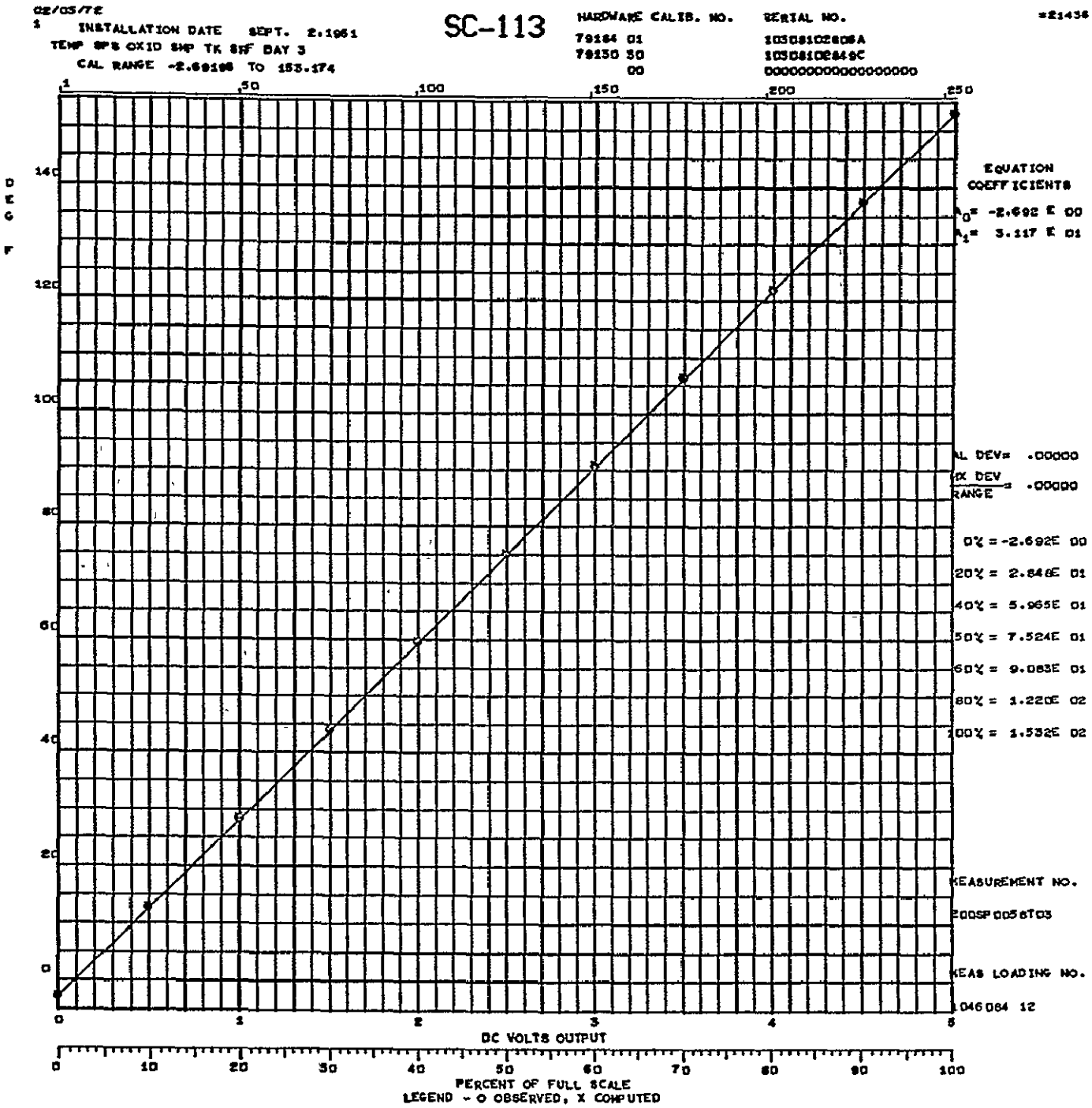

08/03/72
1 INSTALLATION DATE SEPT. 2.1961
TEMP SPS FU SMP TK SURF BAY 5
CAL RANGE -6.05545 TO 150.467
SC-113
HARDWARE CALIB. NO.
78462 01
79127 30
00
SERIAL NO.
1030810265A
1030810265C
0000000000000000
=21436
EQUATION COEFFICIENTS
a0= -6.055 E 00
a1= 5.150 E 01
AL DEV= .00000
4X DEV / RANGE = .00000
0% = -6.055E 00
20% = 2.525E 01
40% = 5.655E 01
50% = 7.221E 01
60% = 8.786E 01
80% = 1.192E 02
00% = 1.505E 02
MEASUREMENT NO.
200SP0056T03
MEAS LOADING NO.
1047052 12
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP #2 & FU SMP TK SMF BAY 5

MEASUREMENT NO. 2003P0056T03
VEHICLE SC-115
TRANSDUCER SERIAL NO. 1050810266AA
SIGNAL CONDITIONER SERIAL NO. 105081026SC
AUXILIARY COMPONENT SERIAL NO. 00000000000000000
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-6.055	38	16.855	75	39.725	112	62.615	149	85.507	186	108.396	223	131.288
2	-5.437	39	17.454	76	40.344	113	63.255	150	86.128	187	109.016	224	131.907
3	-4.818	40	18.072	77	40.965	114	63.854	151	86.744	188	109.635	225	132.528
4	-4.199	41	18.691	78	41.582	115	64.472	152	87.365	189	110.254	226	133.144
5	-3.581	42	19.310	79	42.200	116	65.091	153	87.982	190	110.872	227	133.765
6	-2.962	43	19.928	80	42.819	117	65.710	154	88.600	191	111.491	228	134.382
7	-2.343	44	20.547	81	43.438	118	66.328	155	89.219	192	112.110	229	135.000
8	-1.725	45	21.166	82	44.056	119	66.947	156	89.838	193	112.728	230	135.619
9	-1.105	46	21.784	83	44.675	120	67.566	157	90.456	194	113.347	231	136.237
10	-0.487	47	22.403	84	45.294	121	68.184	158	91.075	195	113.966	232	136.856
11	0.131	48	23.022	85	45.912	122	68.803	159	91.694	196	114.584	233	137.475
12	0.750	49	23.640	86	46.531	123	69.422	160	92.312	197	115.203	234	138.095
13	1.369	50	24.259	87	47.150	124	70.040	161	92.931	198	115.822	235	138.712
14	1.987	51	24.878	88	47.768	125	70.659	162	93.550	199	116.440	236	139.331
15	2.606	52	25.496	89	48.387	126	71.278	163	94.168	200	117.059	237	139.949
16	3.225	53	26.115	90	49.006	127	71.896	164	94.787	201	117.678	238	140 568
17	3.843	54	26.734	91	49.624	128	72.515	165	95.406	202	118.296	239	141.187
18	4.462	55	27.352	92	50.243	129	73.134	166	96.024	203	118.915	240	141.805
19	5.081	56	27.971	93	50.862	130	73.752	167	96.643	204	119.534	241	142.424
20	5.699	57	28.590	94	51.480	131	74.371	168	97.262	205	120.152	242	143.043
21	6.318	58	29.208	95	52.099	132	74.990	169	97.880	206	120.771	243	143 661
22	6.937	59	29.827	96	52.718	133	75.608	170	98.499	207	121.390	244	144.280
23	7.555	60	30.446	97	53.336	134	76.227	171	99.118	208	122.008	245	144.899
24	8.174	61	31.064	98	53.955	135	76.846	172	99 736	209	122 627	246	145.517
25	8.793	62	31.683	99	54.574	136	77.464	173	100.355	210	123.246	247	146.136
26	9.411	63	32.302	100	55.192	137	78.083	174	100.974	211	123.864	248	146.755
27	10.030	64	32.920	101	55.811	138	78.702	175	101.592	212	124.483	249	147.373
28	10.649	65	33.539	102	56.430	139	79.320	176	102.211	213	125.102	250	147.992
29	11.267	66	34.158	103	57.048	140	79.939	177	102.830	214	125.720	251	148.611
30	11.886	67	34.776	104	57.667	141	80.558	178	103.448	215	126.339	252	149.229
31	12.505	68	35.395	105	58.286	142	81.176	179	104.067	216	126.958	253	149.848
32	13.123	69	36.014	106	58.904	143	81.795	180	104.686	217	127.576	254	150.467
33	13.742	70	36.632	107	59 523	144	82.414	181	105.304	218	128.195		
34	14.361	71	37.251	108	60.142	145	83.032	182	105.923	219	128.814		
35	14.979	72	37.870	109	60.760	146	83.651	183	106.542	220	129.432		
36	15.598	73	38.488	110	61.379	147	84.270	184	107.160	221	130.051		
37	16.217	74	39.107	111	61.998	148	84.888	185	107.779	222	130.670		


02/05/72
1 INSTALLATION DATE SEPT. 2.1961
TEMP SPS OXID SHP TK SHF DAY 3
CAL RANGE -2.69198 TO 153.174
SC-113
HARDWARE CALIB. NO.
79184 01
79130 50
00
SERIAL NO.
1030810268BA
1030810E849C
0000000000000000
#21436
EQUATION COEFFICIENTS
A0= -2.692 E 00
A1= 3.117 E 01
AL DEV= .00000
% DEV / RANGE = .00000
0% = -2.692E 00
20% = 2.848E 01
40% = 5.965E 01
50% = 7.524E 01
60% = 9.083E 01
80% = 1.220E 02
100% = 1.532E 02
MEASUREMENT NO.
200SP0056T03
MEAS LOADING NO.
1046064 12
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP SPS OXID SMP TK SHF BAY 3

MEASUREMENT NO. 2005P0058T05
VEHICLE SC-113
TRANSDUCER SERIAL NO. 1050810280SA
SIGNAL CONDITIONER SERIAL NO. 1050810280SC
AUXILIARY COMPONENT SERIAL NO. 0000000000000000
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-2.692	38	20.105	75	42.897	112	65.692	149	88.487	186	111.281	223	134.076
2	-2.076	39	20.719	76	43.513	113	66.308	150	89.103	187	111.897	224	134.692
3	-1.460	40	21.335	77	44.130	114	66.924	151	89.719	188	112.514	225	135.308
4	-0.844	41	21.951	78	44.746	115	67.540	152	90.335	189	113.130	226	135.924
5	-0.228	42	22.567	79	45.362	116	68.156	153	90.951	190	113.746	227	136.540
6	0.388	43	23.183	80	45.978	117	68.772	154	91.567	191	114.362	228	137.156
7	1.004	44	23.799	81	46.594	118	69.388	155	92.183	192	114.978	229	137.773
8	1.621	45	24.415	82	47.210	119	70.005	156	92.799	193	115.594	230	138.389
9	2.237	46	25.031	83	47.826	120	70.621	157	93.415	194	116.210	231	139.005
10	2.853	47	25.647	84	48.442	121	71.237	158	94.031	195	116.826	232	139.621
11	3.469	48	26.263	85	49.058	122	71.853	159	94.647	196	117.442	233	140.237
12	4.085	49	26.879	86	49.674	123	72.469	160	95.264	197	118.058	234	140.853
13	4.701	50	27.496	87	50.290	124	73.085	161	95.880	198	118.674	235	141.469
14	5.317	51	28.112	88	50.906	125	73.701	162	96.496	199	119.290	236	142.085
15	5.933	52	28.728	89	51.522	126	74.317	163	97.112	200	119.906	237	142.701
16	6.549	53	29.344	90	52.138	127	74.933	164	97.728	201	120.522	238	143.317
17	7.165	54	29.960	91	52.755	128	75.549	165	98.344	202	121.139	239	143.933
18	7.781	55	30.576	92	53.371	129	76.165	166	98.960	203	121.755	240	144.549
19	8.397	56	31.192	93	53.987	130	76.781	167	99.576	204	122.371	241	145.165
20	9.013	57	31.808	94	54.603	131	77.397	168	100.192	205	122.987	242	145.781
21	9.629	58	32.424	95	55.219	132	78.013	169	100.808	206	123.603	243	146.398
22	10.246	59	33.040	96	55.835	133	78.630	170	101.424	207	124.219	244	147.014
23	10.862	60	33.656	97	56.451	134	79.246	171	102.040	208	124.835	245	147.630
24	11.478	61	34.272	98	57.067	135	79.862	172	102.656	209	125.451	246	148.246
25	12.094	62	34.888	99	57.683	136	80.478	173	103.272	210	126.067	247	148.862
26	12.710	63	35.505	100	58.299	137	81.094	174	103.889	211	126.683	248	149.478
27	13.326	64	36.121	101	58.915	138	81.710	175	104.505	212	127.299	249	150.094
28	13.942	65	36.737	102	59.531	139	82.326	176	105.121	213	127.915	250	150.710
29	14.558	66	37.353	103	60.147	140	82.942	177	105.737	214	128.531	251	151.326
30	15.174	67	37.969	104	60.763	141	83.558	178	106.353	215	129.147	252	151.942
31	15.790	68	38.585	105	61.380	142	84.174	179	106.969	216	129.764	253	152.558
32	16.406	69	39.201	106	61.996	143	84.790	180	107.585	217	130.380	254	153.174
33	17.022	70	39.817	107	62.612	144	85.406	181	108.201	218	130.996		
34	17.638	71	40.433	108	63.228	145	86.022	182	108.817	219	131.612		
35	18.254	72	41.049	109	63.844	146	86.638	183	109.433	220	132.228		
36	18.871	73	41.665	110	64.460	147	87.255	184	110.049	221	132.844		
37	19.487	74	42.281	111	65.076	148	87.871	185	110.665	222	133.460		

APOLLO 16 OPERATIONAL CALIBRATION CURVES

VOLUME I CSM 113

Change Notice 2

Change Notice 2 comprises the second update to Apollo Operational Calibration Curves Volume I Calibration Curves for Command Service Module CSM 113. Incorporate Change Notice 2 into Volume I according to the instructions outlined below.

Delete the following pages:	Add the following pages:
Page No. ii Change 1	Page No. ii Change 2 iiib Change 2 vii Change 2
Section 1	
Page No. 1-1 Change 1	Page No. 1-1 Change 2
Section 8	
	Section Divider Page No. 8-001 thru 8-216 Change 2

NOTICE OF CALIBRATION CHANGES

Calibrations for the measurement numbers listed below will be added in the next update to this document.

TELEMETER	EXPERIMENTS
Command Module	SL1056T*
	SL1057T*
CF0072Q	SL1059T*
CF0157R-31	SL1060T*
	SL1061T*
	SL1067K
METER LINK	SL1068T*
	SL1070T*
CF0019Q	SL1071T*
LS0200H	SL1124V-40 (Sub Com 10)
ST0620E	SL1124T (Sub Com 11, Deg F)
	SL1124V (Sub Com 12)

*Degrees F

March 17, 1972

CHANGE NOTICE 2

The effect of Change Notice 2 is as follows:

Section 8, Experiments was added in this update except for the measurements listed on page ii. SIM Bay environmental shelf temperature measurement calibration curves are redundantly listed in Section 6 and Section 8 for the convenience of the user.

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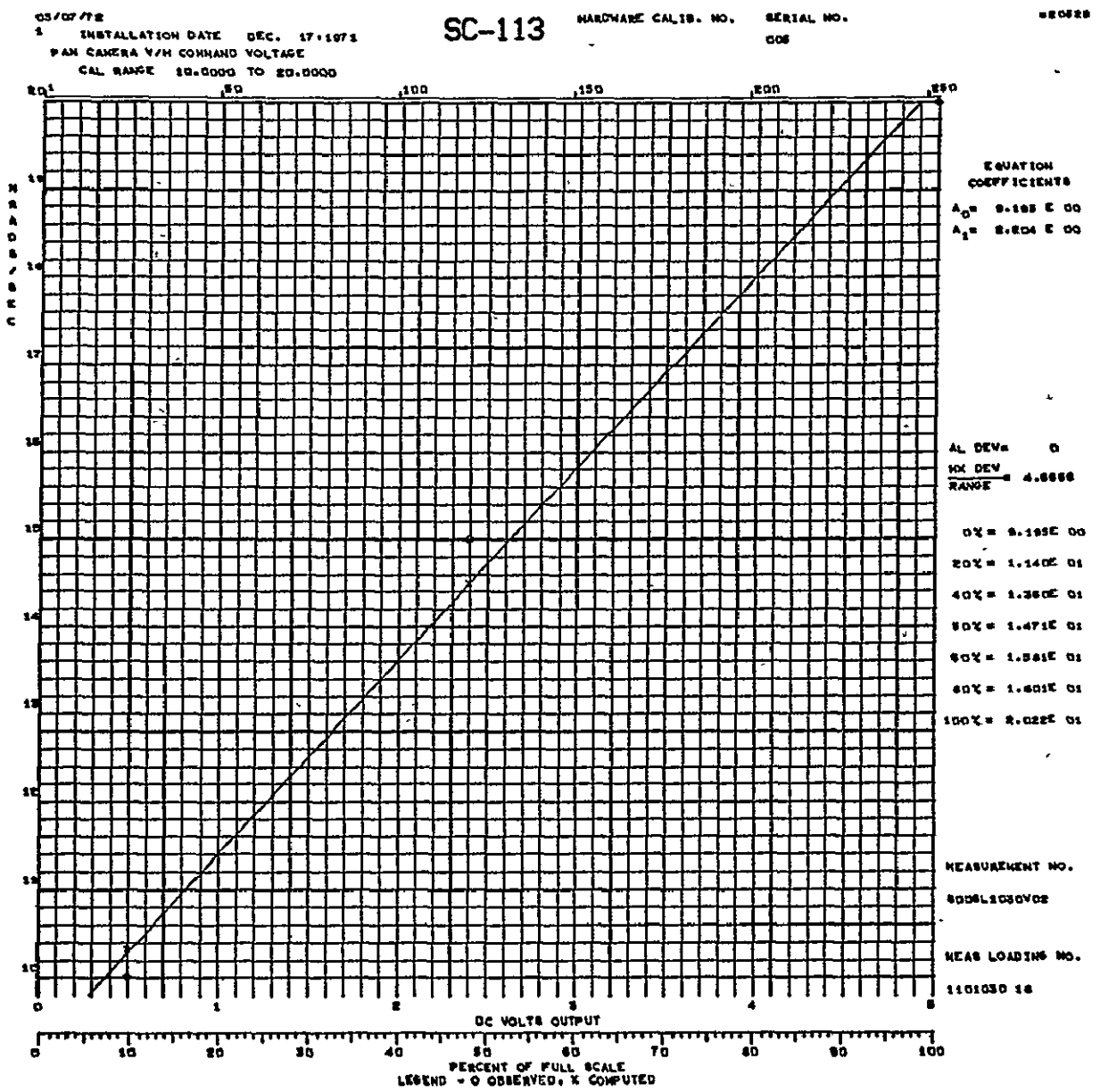
SECTION 1

INTRODUCTION

1.1 General

The measurement calibration curves presented in this document represent the latest available information at Houston, Texas as of March 17, 1972.

The calibration curves contained herein are arranged by vehicle stage in alphanumeric order of the measurement number.



8 001 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA V/H GUIDED VOLTAGE

MEASUREMENT NO. 00CAL1CCDV02
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/
1	9.105	37	10 702	73	12.359	109	13.657	145	15.544	181	17.131	217	18.710
2	9 239	38	10.835	74	12.413	110	14.001	146	15.503	182	17.175	218	18.762
3	9 263	39	10 870	75	12 458	111	14 015	147	15.632	183	17.219	219	18.005
4	9.327	40	10.914	76	12 502	112	14.039	148	15 676	184	17.253	220	18 650
5	9.371	41	10.959	77	12 546	113	14.133	149	15.720	185	17.307	221	18.056
6	9.415	42	11 003	78	12.590	114	14.177	150	15.764	185	17.351	222	18.939
7	9 460	43	11 047	79	12.634	115	14.221	151	15.808	187	17.395	223	10.983
8	9 504	44	11.091	80	12.678	116	14.235	152	15.852	188	17.440	224	19 027
9	9 548	45	11.135	81	12 722	117	14.309	153	15.896	189	17.404	225	19.071
10	9.592	46	11.179	82	12.766	118	14.353	154	15.941	190	17 528	226	19.115
11	9.636	47	11.223	83	12.010	119	14 397	155	15.985	191	17.572	227	19.159
12	9.680	48	11 267	84	12.054	120	14.442	156	16.029	192	17.616	228	19 203
13	9.724	49	11.311	85	12 699	121	14.485	157	16.073	193	17.660	229	19 247
14	9.768	50	11 355	86	12 013	122	14.530	158	16.117	194	17.704	230	19.291
15	9 812	51	11 399	87	12.957	123	14.574	159	16.161	195	17.748	231	19 335
16	9 855	52	11.444	88	13.031	124	14.618	160	16.205	196	17.792	232	19.379
17	9.900	53	11.488	89	13.075	125	14 662	161	16.249	197	17.838	233	19.424
18	9.944	54	11.532	90	13.119	126	14.706	162	16 293	198	17.880	234	19 468
19	9.989	55	11.576	91	13.163	127	14.750	163	16.337	199	17.925	235	19 512
20	10.033	56	11.620	92	13.207	128	14 794	164	16.381	200	17.969	236	19.556
21	10.077	57	11.664	93	13.251	129	14 838	165	16.425	201	18.013	237	19 600
22	10.121	58	11.703	94	13 295	130	14.882	166	16.470	202	18 057	238	19.644
23	10.165	59	11.752	95	13.339	131	14.927	167	16.514	203	18.101	239	19.630
24	10.209	60	11 796	96	13.383	132	14 971	168	16.558	204	18.145	240	19.732
25	10.253	61	11.840	97	13.427	133	15.015	169	16.602	205	18.189	241	19 776
26	10.297	62	11.884	98	13.472	134	15.059	170	16.646	206	18.233	242	19.820
27	10.341	63	11.928	99	13.516	135	15.103	171	16.690	207	18.277	243	19 864
28	10.385	64	11.973	100	13.560	136	15.147	172	16.734	208	18.321	244	19.909
29	10.429	65	12 017	101	13.604	137	15.191	173	16.778	209	18.365	245	19 653
30	10.474	66	12.061	102	13.648	138	15.235	174	16.822	210	18.410	246	19.997
31	10.518	67	12.105	103	13.692	139	15.279	175	16.866	211	18.454	247	20.041
32	10.562	68	12.149	104	13.735	140	15.323	176	16.911	212	18.498	248	20.085
33	10.606	69	12.193	105	13.780	141	15.367	177	16.955	213	18 542	249	20.129
34	10.650	70	12.237	106	13 824	142	15.411	178	16.999	214	18.585	250	20 173
35	10.694	71	12.281	107	13.868	143	15.456	179	17.043	215	18.630	251	20.217
36	10.738	72	12 325	108	13.912	144	15.500	180	17.087	216	18.674		

08/07/72

INSTALLATION DATE DEC. 17.1971

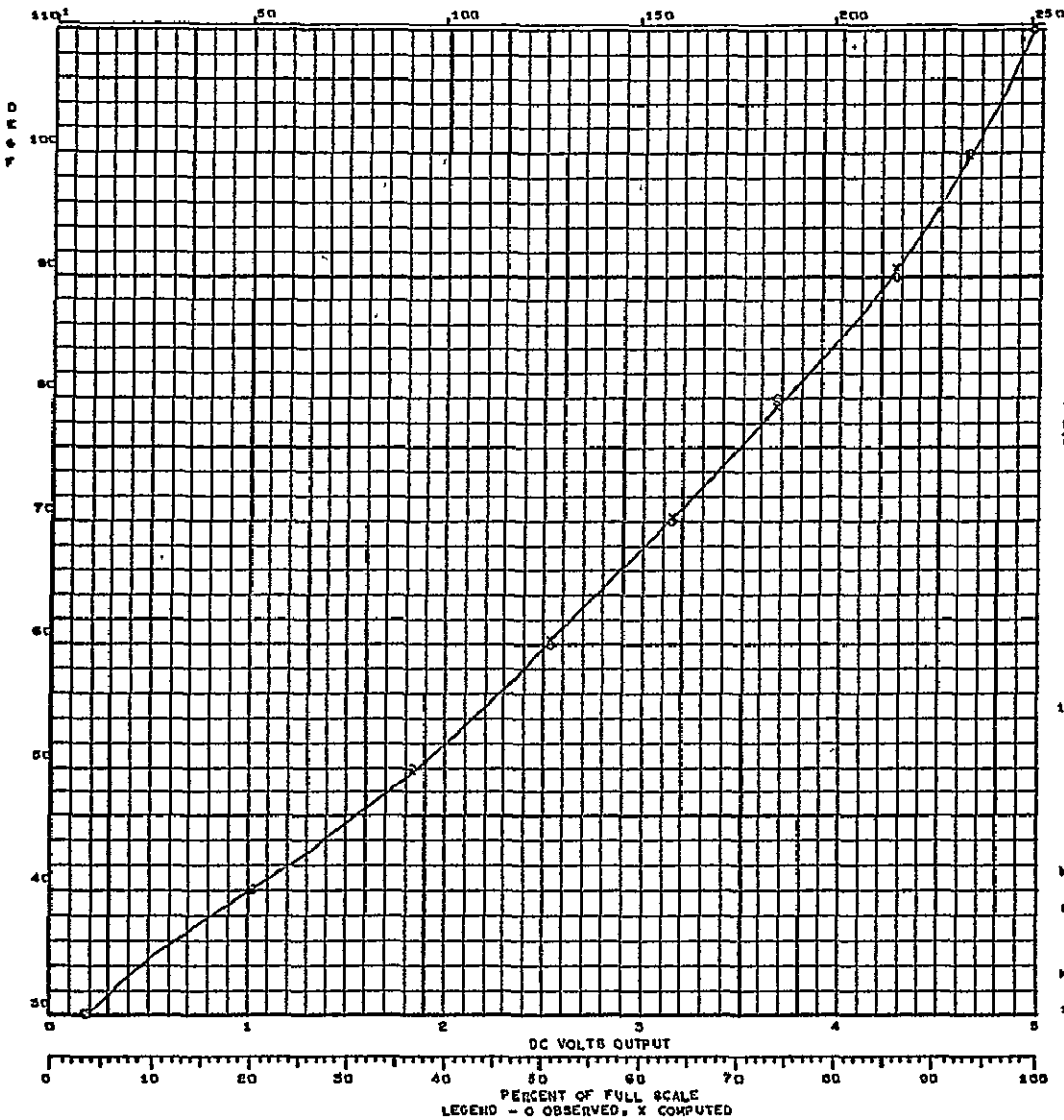
PAN CAMERA FILM MAG TEMP (DEGF)

CAL RANGE 30.0000 TO 110.000

SC-113

HARDWARE CALTB. NO.

SERIAL NO. 005



EQUATION COEFFICIENTS

A_0= 2.855 E 01

A_1= 2.140 E 01

A_2= -1.452 E 01

A_3= 6.187 E 00

A_4= -1.880 E 00

A_5= 1.537 E-01

AL DEV= 0

MX DEV / RANGE = .84E11

0%= 2.655E 01

20%= 3.991E 01

40%= 5.193E 01

50%= 5.959E 01

60%= 6.782E 01

80%= 8.501E 01

100%= 1.116E 02

MEASUREMENT NO.

8005L1032T11

MEAS LOADING NO.

1010071 16

Change 2

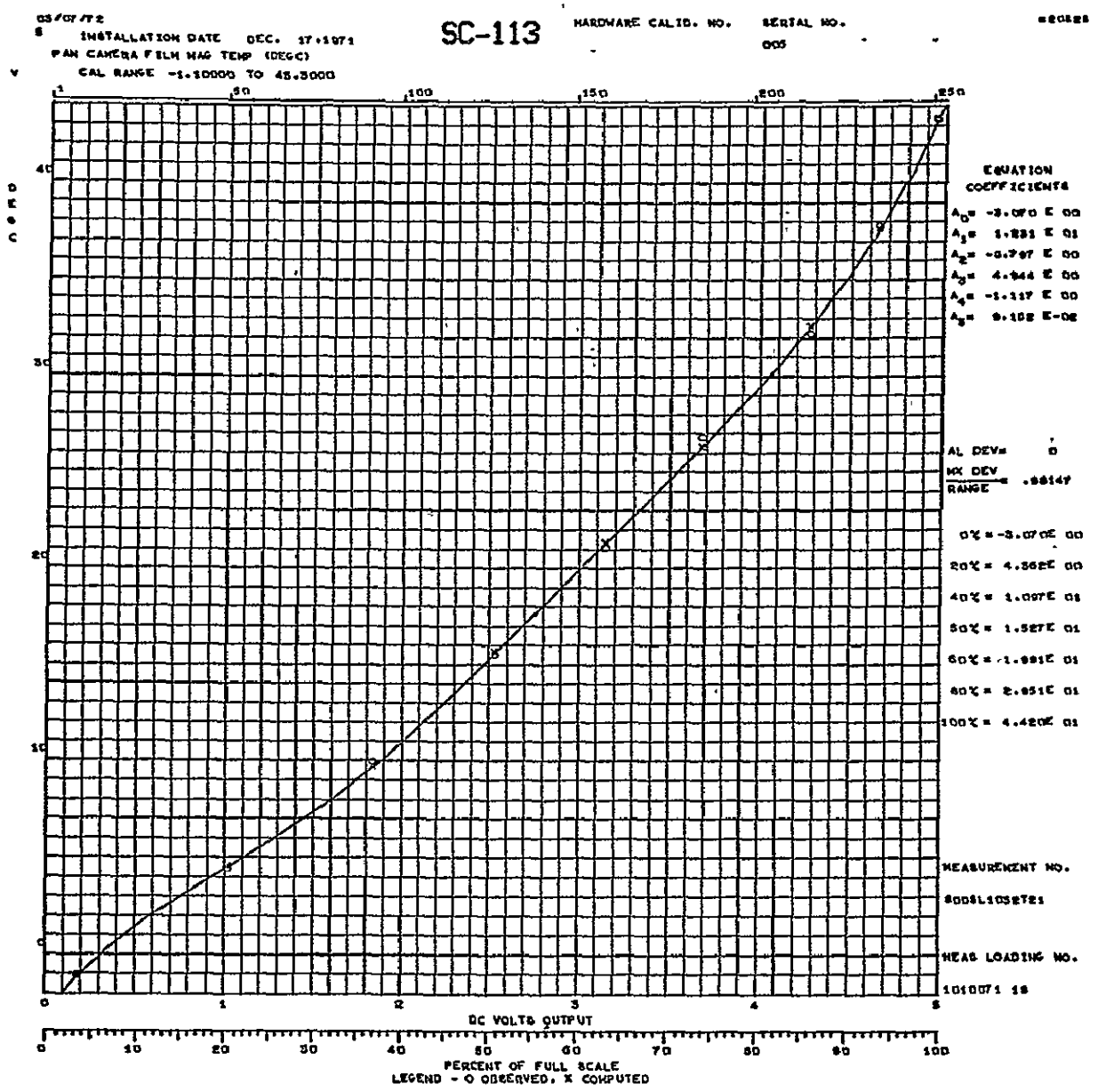
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA FILM HAS TEMP (DEGF)

MEASUREMENT NO. 000L1032T11
VEHICLE SC-119-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	25 554	37	37.020	73	44 654	109	54.286	145	65 020	181	77.910	217	91.472
2	25 976	38	37 232	74	44.897	110	54 587	146	66.152	182	78 252	218	91.916
3	27.367	39	37.443	75	45 132	111	54.699	147	66.465	183	78 595	219	92 367
4	27.767	40	37.653	76	45 359	112	55.103	148	66.818	184	78 939	220	92.823
5	28 177	41	37.851	77	45 603	113	55 469	149	67.151	185	79 284	221	93 209
6	28 556	42	38.058	78	45.849	114	55.805	150	67 485	186	79 630	222	93 755
7	28 936	43	38.275	79	46.091	115	56.115	151	67 819	187	79.977	223	94.232
8	29 205	44	38.481	80	46.336	116	56 424	152	68.152	188	80.325	224	94.716
9	29.638	45	38.686	81	46.582	117	56.736	153	68.466	189	80 675	225	95.207
10	29 981	46	38 891	82	46 831	118	57.018	154	68 820	190	81.025	226	95.705
11	30.315	47	39 035	83	47 082	119	57 261	155	69 155	191	81 378	227	96 213
12	30 641	48	39 301	84	47.334	120	57.676	156	69 489	192	81 732	228	96.728
13	30 950	49	39.505	85	47.589	121	57.992	157	69 824	193	82 086	229	97 252
14	31.271	50	39 710	86	47.846	122	58.309	158	70.158	194	82 445	230	97.784
15	31.575	51	39 915	87	48.104	123	58 627	159	70 493	195	82.804	231	98 326
16	31.873	52	40.120	88	48 365	124	58 946	160	70 828	196	83 166	232	98 878
17	32.153	53	40.326	89	48.628	125	59 267	161	71.163	197	83 529	233	99 439
18	32 449	54	40.532	90	48.895	126	59.588	162	71 498	198	83 895	234	100.010
19	32 727	55	40.739	91	49 160	127	59 910	163	71 835	199	84 263	235	100.592
20	33.000	56	40.947	92	49 428	128	60 233	164	72.168	200	84 634	236	101.185
21	33.258	57	41.155	93	49 699	129	60 556	165	72.504	201	85.007	237	101.788
22	33 550	58	41.365	94	49 972	130	60 881	166	72.839	202	85.383	238	102.405
23	33.788	59	41.575	95	50.247	131	61.205	167	73.175	203	85.762	239	103.031
24	34.041	60	41.787	96	50 523	132	61.532	168	73 511	204	86.144	240	103 670
25	34.290	61	41.999	97	50.802	133	61.859	169	73 847	205	86 530	241	104.322
26	34.535	62	42.213	98	51.082	134	62 186	170	74.184	206	86.919	242	104.985
27	34.776	63	42.428	99	51 365	135	62 514	171	74.520	207	87.311	243	105.664
28	35.015	64	42.645	100	51 649	136	62.842	172	74.857	208	87.707	244	106 356
29	35.247	65	42 863	101	51.935	137	63.171	173	75 195	209	88.107	245	107.062
30	35.478	66	43 082	102	52.223	138	63.501	174	75.532	210	88.511	246	107.782
31	35 705	67	43 305	103	52.512	139	63 831	175	75.870	211	88.920	247	108 517
32	35.930	68	43 528	104	52 803	140	64.161	176	76.209	212	89 333	248	109 268
33	36.152	69	43.750	105	53 097	141	64 492	177	76.548	213	89 751	249	110.034
34	36.372	70	43 976	106	53.391	142	64.824	178	76.887	214	90.173	250	110.817
35	36.590	71	44.204	107	53 688	143	65.155	179	77.227	215	90.601	251	111.616
36	36.805	72	44.433	108	53.985	144	65 487	180	77.568	216	91.034		

Change 2



8 005 Change 2

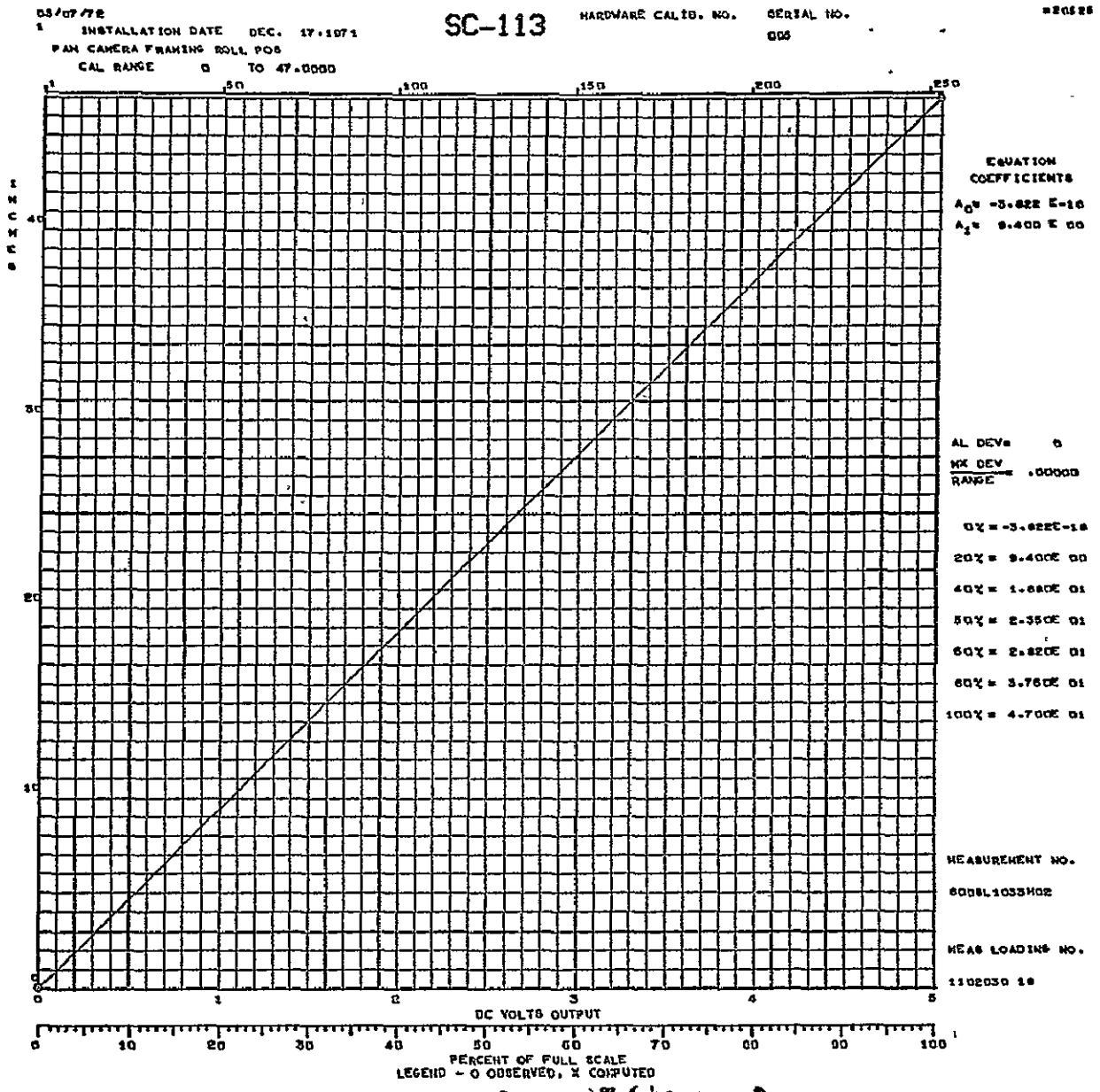
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA FILM MG TEMP (DEG C)

MEASUREMENT NO. 6005L1032721
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C
1	-3 070	37	2.795	73	6 941	109	12.203	145	18 765	181	25 571	217	33 070
2	-2.828	38	2.911	74	7.059	110	12 452	146	18 971	182	25 762	218	33.315
3	-2.592	39	3.036	75	7.197	111	12 622	147	19.158	183	25.953	219	33 562
4	-2.362	40	3.139	76	7.327	112	12 795	148	19.345	184	26.144	220	33.814
5	-2.139	41	3 252	77	7.458	113	12.954	149	19.534	185	26.336	221	34.058
6	-1.922	42	3 364	78	7.591	114	13.137	150	19 722	186	26.528	222	34.327
7	-1.711	43	3.476	79	7.724	115	13.310	151	19 910	187	26.721	223	34.589
8	-1 505	44	3.587	80	7.859	116	13.485	152	20 099	188	26.915	224	34.855
9	-1.305	45	3.698	81	7.995	117	13 660	153	20 287	189	27.109	225	35 125
10	-1.112	46	3.809	82	8.132	118	13.835	154	20.475	190	27 304	226	35.401
11	-0.922	47	3.920	83	8.270	119	14.012	155	20 663	191	27.499	227	35 680
12	-0.738	48	4.030	84	8.409	120	14.189	156	20.851	192	27.696	228	35.954
13	-0.558	49	4.141	85	8.550	121	14.367	157	21.040	193	27.893	229	36.253
14	-0.382	50	4.251	86	8.692	122	14.545	158	21.228	194	28.091	230	36.548
15	-0.211	51	4.362	87	8.835	123	14.725	159	21.416	195	28 290	231	36 845
16	-0.044	52	4.473	88	8.980	124	14.905	160	21 605	196	28.490	232	37.149
17	0.119	53	4.584	89	9.125	125	15.086	161	21 795	197	28.691	233	37.459
18	0.278	54	4.695	90	9.272	126	15 266	162	21.981	198	28 893	234	37.774
19	0.434	55	4.807	91	9.420	127	15.448	163	22.170	199	29 096	235	38.095
20	0.585	56	4 919	92	9 570	128	15.630	164	22.358	200	29 301	236	38 422
21	0.735	57	5.032	93	9.720	129	15.813	165	22.546	201	29 507	237	38 756
22	0.881	58	5.145	94	9.872	130	15.996	166	22.735	202	29.715	238	39.095
23	1.024	59	5.259	95	10.025	131	16.179	167	22 923	203	29.924	239	39.445
24	1.164	60	5.374	96	10.179	132	16.363	168	23.112	204	30.135	240	39.798
25	1.302	61	5.489	97	10.334	133	16 547	169	23.300	205	30 348	241	40 157
26	1.437	62	5.605	98	10.491	134	16.732	170	23.489	206	30.562	242	40.525
27	1.570	63	5 722	99	10.648	135	16.917	171	23.677	207	30.779	243	40 900
28	1.700	64	5.840	100	10.807	136	17.103	172	23 866	208	30.997	244	41.284
29	1.828	65	5.958	101	10.967	137	17.289	173	24 055	209	31.217	245	41.675
30	1.955	66	6.078	102	11.127	138	17.474	174	24 245	210	31.440	246	42.074
31	2.080	67	6.198	103	11.289	139	17.661	175	24 433	211	31.665	247	42 482
32	2 202	68	6 319	104	11.452	140	17.847	176	24 622	212	31 892	248	42 899
33	2 324	69	6.441	105	11.616	141	18.034	177	24.811	213	32.122	249	43 325
34	2.444	70	6 565	106	11.782	142	18.221	178	25.001	214	32.355	250	43.760
35	2.562	71	6.689	107	11 948	143	18.408	179	25.190	215	32.590	251	44.204
36	2.680	72	6.814	108	12.115	144	18.595	180	25 381	216	32.829		

8 066 Clange_2



8 JU7 Change 2

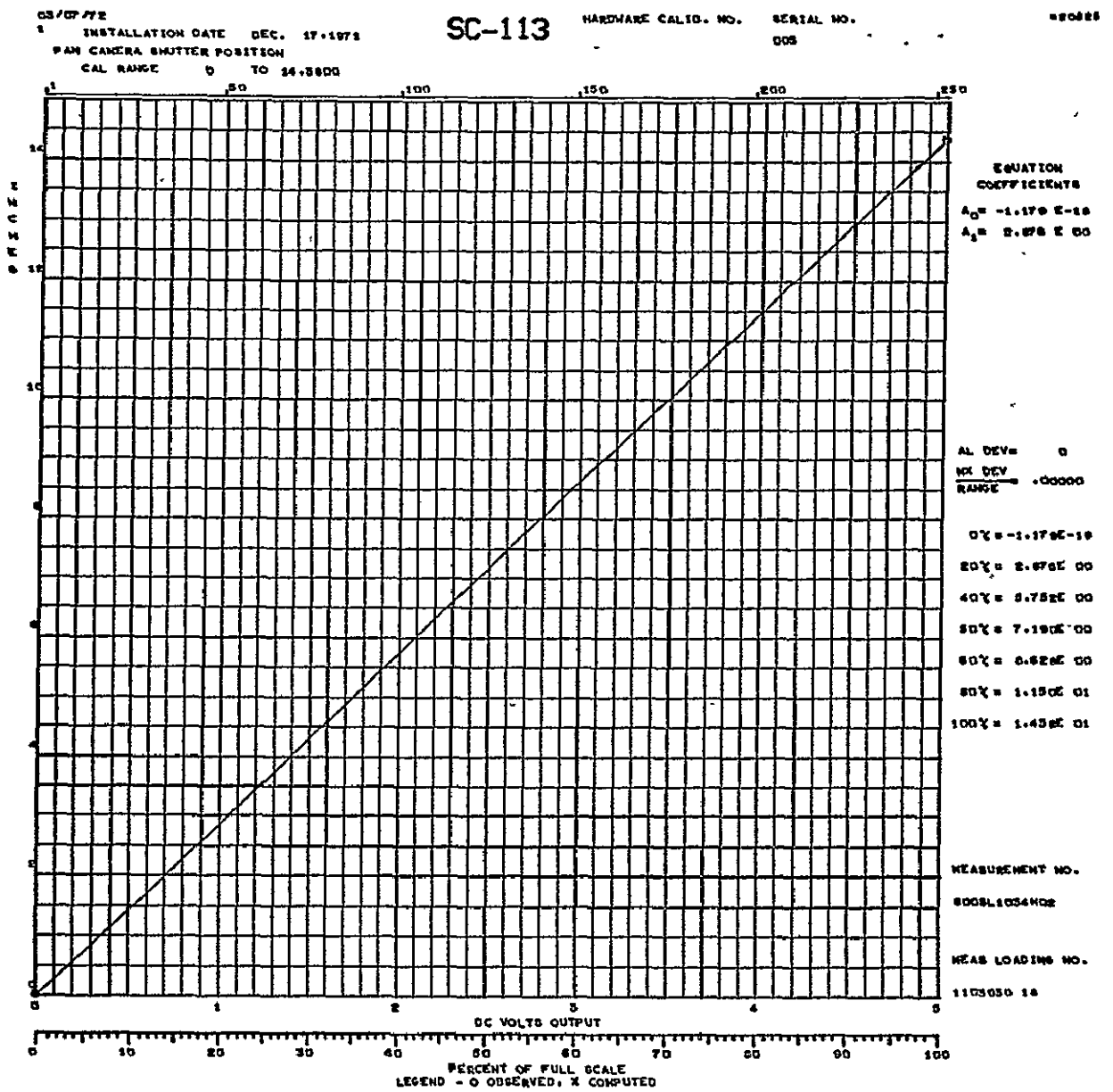
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FAN CAMERA FRAMING ROLL POS

MEASUREMENT NO. 800GL103H02
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES
1	+0.000	37	6.768	73	13.536	109	20 304	145	27.072	181	33.840	217	40 608
2	0.188	38	6.956	74	13.724	110	20.492	146	27.260	182	34 028	218	40 796
3	0.376	39	7.144	75	13.912	111	20 680	147	27.448	183	34 216	219	40 984
4	0.564	40	7.332	76	14.100	112	20 868	148	27.635	184	34.404	220	41.172
5	0.752	41	7.520	77	14.288	113	21.056	149	27.824	185	34.592	221	41.360
6	0.940	42	7.708	78	14.476	114	21 244	150	28.012	186	34.780	222	41.548
7	1.128	43	7.896	79	14.664	115	21 432	151	28 200	187	34.968	223	41 736
8	1.316	44	8.084	80	14.852	116	21 620	152	28.388	188	35.156	224	41.924
9	1.504	45	8.272	81	15 040	117	21.808	153	28 576	189	35.344	225	42.112
10	1.692	46	8.460	82	15.228	118	21.995	154	28 764	190	35.532	226	42 300
11	1.880	47	8.648	83	15.416	119	22.184	155	28 952	191	35 720	227	42.488
12	2.068	48	8.836	84	15.604	120	22.372	156	29 140	192	35 908	228	42.676
13	2.256	49	9 024	85	15.792	121	22.560	157	29.328	193	36.096	229	42.864
14	2.444	50	9.212	86	15.980	122	22 748	158	29 516	194	36 284	230	43.052
15	2.632	51	9.400	87	16.168	123	22 936	159	29 704	195	36 472	231	43.240
16	2.820	52	9 588	88	16.356	124	23.124	160	29.892	196	36 660	232	43.428
17	3.008	53	9.776	89	16 544	125	23.312	161	30 080	197	36.848	233	43.616
18	3.196	54	9.964	90	16.732	126	23 500	162	30.268	198	37.036	234	43 804
19	3.384	55	10 152	91	16.920	127	23 688	163	30.456	199	37.224	235	43.992
20	3.572	56	10.340	92	17.108	128	23.876	164	30 644	200	37.412	236	44.180
21	3 760	57	10.528	93	17.296	129	24.064	165	30 832	201	37.600	237	44.368
22	3.948	58	10.716	94	17.484	130	24.252	166	31.020	202	37.788	238	44.556
23	4.136	59	10 904	95	17.672	131	24.440	167	31.208	203	37.976	239	44.744
24	4.324	60	11.092	96	17.860	132	24.628	168	31 396	204	38.164	240	44.932
25	4.512	61	11 280	97	18.048	133	24 816	169	31 584	205	38 352	241	45.120
26	4.700	62	11.468	98	18.236	134	25 004	170	31.772	206	38 540	242	45.308
27	4.888	63	11.656	99	18.424	135	25.192	171	31.960	207	38.728	243	45.496
28	5.076	64	11.844	100	18.612	136	25.380	172	32.148	208	38.916	244	45.684
29	5.264	65	12 032	101	18.800	137	25 568	173	32.336	209	39 104	245	45.872
30	5.452	66	12 220	102	18.988	138	25.756	174	32.524	210	39 292	246	46.060
31	5.640	67	12.408	103	19.176	139	25.944	175	32.712	211	39 480	247	46.248
32	5.828	68	12 596	104	19.364	140	26.132	176	32 900	212	39 668	248	46.436
33	6.016	69	12.784	105	19.552	141	26.320	177	33.088	213	39 856	249	46.624
34	6.204	70	12.972	106	19.740	142	26 508	178	33.276	214	40 044	250	46.812
35	6.392	71	13.160	107	19 928	143	26 696	179	33.464	215	40.232	251	47.000
36	6.580	72	13.348	108	20.116	144	26.884	180	33.652	216	40 420		

8 068 Change 2


03/07/72
1 INSTALLATION DATE DEC. 17,1971
PAN CAMERA SHUTTER POSITION
CAL RANGE 0 TO 14.5800
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
005
EQUATION COEFFICIENTS
AL DEV= 0
MX DEV / RANGE= .00000
0%= -1.179E-19
20%= 2.675E 00
40%= 5.75ZE 00
50%= 7.190E 00
60%= 8.62eE 00
80%= 1.150E 01
100%= 1.43eE 01
MEASUREMENT NO.
MEAS LOADING NO.
1103050 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

Change 2

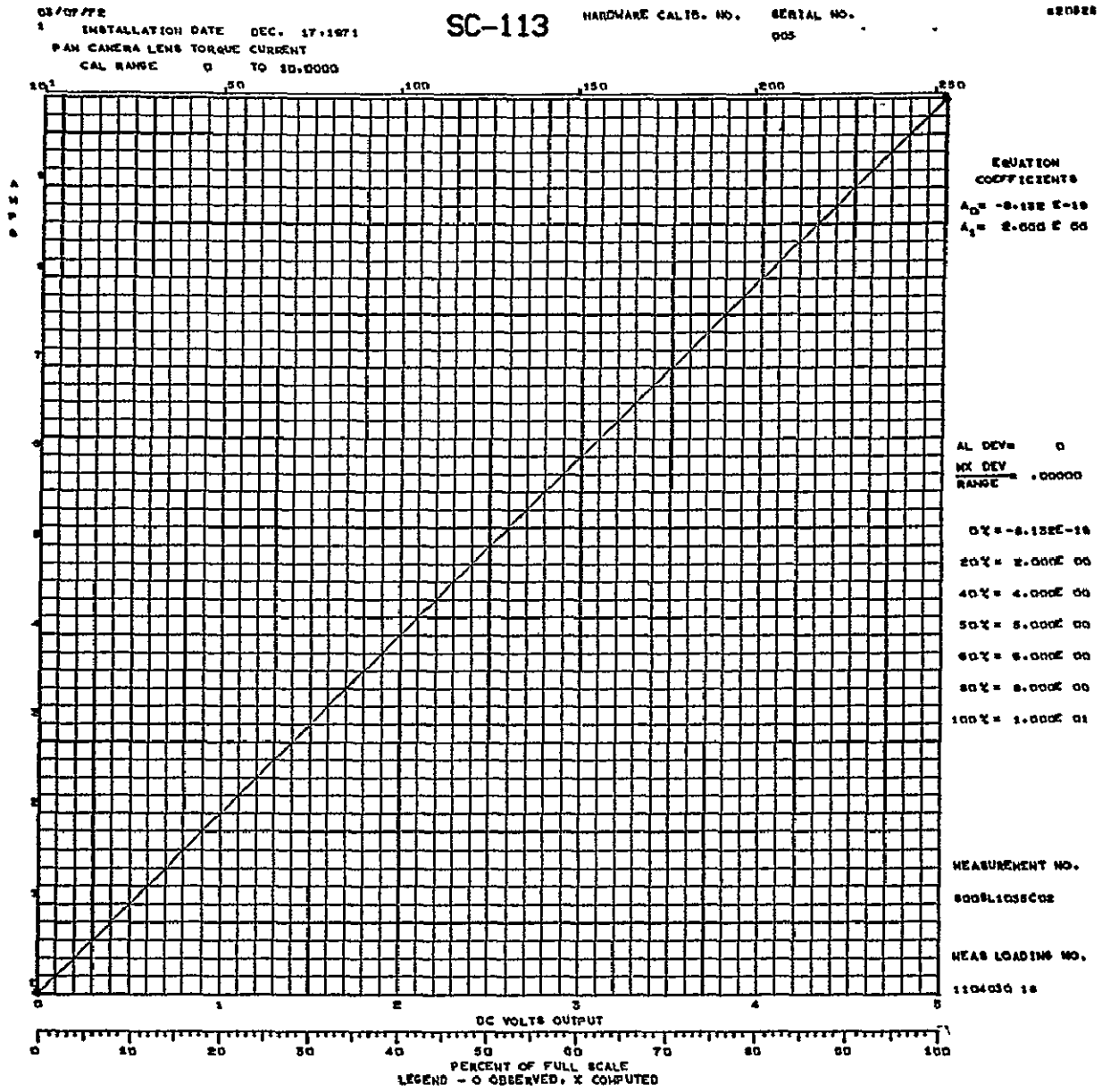
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA SHUTTER POSITION

MEASUREMENT NO 0005L1034H02
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES
1	-0 000	37	2.071	73	4 141	109	6.212	145	8 283	181	10 354	217	12.424
2	0.056	38	2.128	74	4.199	110	6.270	146	8.340	182	10.411	218	12.482
3	0.115	39	2.185	75	4.256	111	6.327	147	8.398	183	10 469	219	12.539
4	0.173	40	2.243	76	4.314	112	6 385	148	8.455	184	10.526	220	12 597
5	0 230	41	2 301	77	4 372	113	6 442	149	8 513	185	10 584	221	12.654
6	0.288	42	2.358	78	4.429	114	6 500	150	8 570	186	10 641	222	12.712
7	0.345	43	2.416	79	4.487	115	6 557	151	8.628	187	10 699	223	12.769
8	0.405	44	2.473	80	4.544	116	6 615	152	8 685	188	10 756	224	12.827
9	0 460	45	2 531	81	4.602	117	6 672	153	8 743	189	10 814	225	12.884
10	0.518	46	2.588	82	4.659	118	6.730	154	8.801	190	10 871	226	12.942
11	0 575	47	2.646	83	4.717	119	6.787	155	8.858	191	10.929	227	13.000
12	0 633	48	2.705	84	4 774	120	6.845	156	8 916	192	10.986	228	13.057
13	0.690	49	2.761	85	4 832	121	6 902	157	8 973	193	11.044	229	13.115
14	0 748	50	2.818	86	4.889	122	6 960	158	9 031	194	11.101	230	13.172
15	0.805	51	2 876	87	4.947	123	7 017	159	9.088	195	11.159	231	13.230
16	0.863	52	2 934	88	5.004	124	7.075	160	9.146	196	11.216	232	13 287
17	0.920	53	2 991	89	5.062	125	7.132	161	9 203	197	11.274	233	13.345
18	0.978	54	3 049	90	5.119	126	7.190	162	9.261	198	11.331	234	13.402
19	1.035	55	3.106	91	5.177	127	7.248	163	9.318	199	11.389	235	13.460
20	1.093	56	3.164	92	5 234	128	7.305	164	9.376	200	11 446	236	13.517
21	1.150	57	3 221	93	5 292	129	7.363	165	9.433	201	11.504	237	13.575
22	1 208	58	3.279	94	5.349	130	7 420	166	9 491	202	11.562	238	13 632
23	1 265	59	3.336	95	5.407	131	7.478	167	9 548	203	11.619	239	13.690
24	1.323	60	3.394	96	5.464	132	7 535	168	9 606	204	11.677	240	13.747
25	1.380	61	3.451	97	5.522	133	7.593	169	9 663	205	11 734	241	13.805
26	1 438	62	3.509	98	5.579	134	7.650	170	9 721	206	11.792	242	13.862
27	1 495	63	3 566	99	5 637	135	7.708	171	9 778	207	11.849	243	13.920
28	1.553	64	3 624	100	5.694	136	7.765	172	9.836	208	11.907	244	13.977
29	1.611	65	3.681	101	5.752	137	7.823	173	9 893	209	11.964	245	14.035
30	1.668	66	3.739	102	5.810	138	7.880	174	9.951	210	12.022	246	14.092
31	1.725	67	3.796	103	5.867	139	7.938	175	10 008	211	12 079	247	14.150
32	1.783	68	3.854	104	5.925	140	7.995	176	10 006	212	12.137	248	14.207
33	1.841	69	3.911	105	5.982	141	8.053	177	10.124	213	12.194	249	14.265
34	1 898	70	3 969	106	6.040	142	8.110	178	10 181	214	12.252	250	14.322
35	1.956	71	4 026	107	6.097	143	8.168	179	10 239	215	12.309	251	14.380
36	2.013	72	4.084	108	6.155	144	8.225	180	10 296	216	12.367		

8 [illegible]0 Change 2


03/07/72
1 INSTALLATION DATE DEC. 17,1971
PAN CAMERA LENS TORQUE CURRENT
CAL RANGE 0 TO 10.0000
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
005
EQUATION COEFFICIENTS
A_0= -8.132 E-10
A_1= 2.000 E 00
AL DEV= 0
MX DEV
RANGE= .00000
0%= -8.132E-10
20%= 2.000E 00
40%= 4.000E 00
50%= 5.000E 00
60%= 6.000E 00
80%= 8.000E 00
100%= 1.000E 01
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

Add Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA LENS TORQUE CURRENT

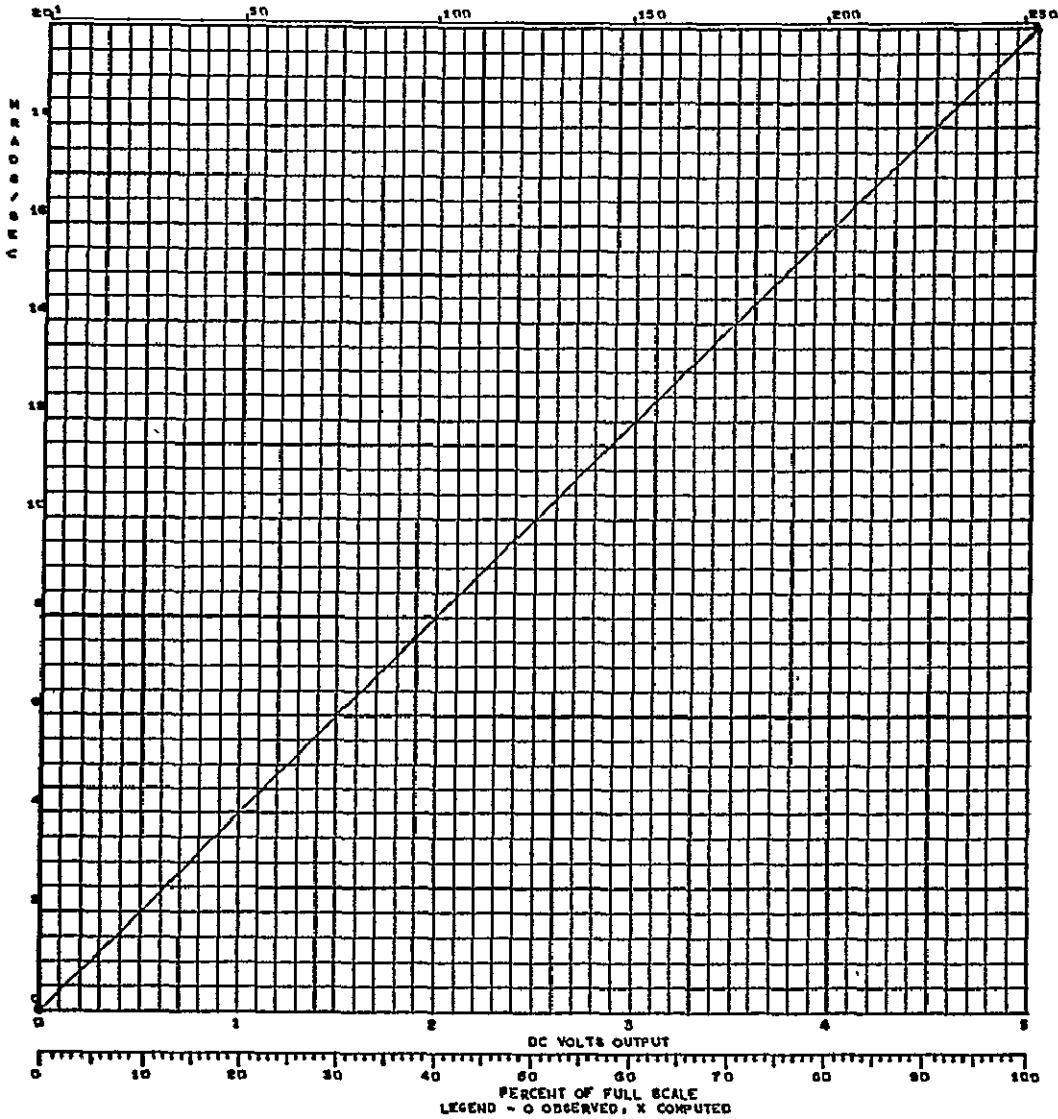
MEASUREMENT NO. 0005L1035C02
VEHICLE SC-115-EAP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	-0.000	37	1.440	73	2.880	109	4.320	145	5 760	181	7 200	217	8.640
2	0.040	38	1.480	74	2.920	110	4.360	146	5.800	182	7.240	218	8.680
3	0.080	39	1.520	75	2.960	111	4.400	147	5.840	183	7.280	219	8 720
4	0.120	40	1.560	76	3 000	112	4.440	148	5.880	184	7.320	220	8 760
5	0.160	41	1.600	77	3 040	113	4 480	149	5.920	185	7.360	221	8 800
6	0 200	42	1.640	78	3 080	114	4 520	150	5.960	186	7.400	222	8.840
7	0.240	43	1.680	79	3.120	115	4 560	151	6.000	187	7 440	223	8.880
8	0.280	44	1.720	80	3.160	116	4 600	152	6.040	188	7.480	224	8.920
9	0.320	45	1.760	81	3 200	117	4 640	153	6.080	189	7.520	225	8.960
10	0.360	46	1.800	82	3.240	118	4.680	154	6.120	190	7 560	226	9.000
11	0.400	47	1 840	83	3 280	119	4.720	155	6.160	191	7.600	227	9.040
12	0.440	48	1.880	84	3 320	120	4.760	156	6 200	192	7.640	228	9 080
13	0.480	49	1.920	85	3 360	121	4.800	157	6 240	193	7.680	229	9 120
14	0 520	50	1.960	86	3.400	122	4.840	158	6 280	194	7.720	230	9.160
15	0.560	51	2.000	87	3.440	123	4 880	159	6.320	195	7 760	231	9 200
16	0.600	52	2.040	88	3.480	124	4.920	160	6.360	196	7 800	232	9.240
17	0.640	53	2 080	89	3.520	125	4.960	161	6 400	197	7.840	233	9.280
18	0 680	54	2.120	90	3 560	126	5.000	162	6 440	198	7.880	234	9.320
19	0.720	55	2.160	91	3.600	127	5.040	163	6 480	199	7.920	235	9 360
20	0.760	56	2 200	92	3.640	128	5.080	164	6 520	200	7.960	236	9 400
21	0.800	57	2 240	93	3 680	129	5 120	165	6.560	201	8.000	237	9.440
22	0.840	58	2.280	94	3 720	130	5.160	166	6.600	202	8 040	238	9.480
23	0.880	59	2.320	95	3 760	131	5.200	167	6.640	203	8 080	239	9.520
24	0.920	60	2.360	96	3.800	132	5.240	168	6 680	204	8.120	240	9.560
25	0.960	61	2.400	97	3.840	133	5.280	169	6 720	205	8.160	241	9 600
26	1.000	62	2.440	98	3 880	134	5.320	170	6.760	206	8 200	242	9 640
27	1.040	63	2 480	99	3 920	135	5.360	171	6.800	207	8 240	243	9.680
28	1.080	64	2 520	100	3 960	136	5 400	172	6.840	208	8 280	244	9.720
29	1.120	65	2.560	101	4 000	137	5 440	173	6.880	209	8.320	245	9.760
30	1.160	66	2.600	102	4.040	138	5.480	174	6 920	210	8.360	246	9.800
31	1.200	67	2.640	103	4.080	139	5.520	175	6 960	211	8.400	247	9 840
32	1.240	68	2.680	104	4.120	140	5.560	176	7.000	212	8 440	248	9 880
33	1.280	69	2 720	105	4.160	141	5.600	177	7.040	213	8.480	249	9.920
34	1 320	70	2.760	106	4 200	142	5 640	178	7.080	214	8 520	250	9.960
35	1.360	71	2.800	107	4 240	143	5 680	179	7.120	215	8 560	251	10.000
36	1.400	72	2.840	108	4 280	144	5.720	180	7 160	216	8.600		

03/07 72
1 INSTALLATION DATE DEC. 17,1971
PAN CAMERA FMC TACH VOLTAGE
CAL RANGE 0 TO 20.0000

SC-113

HARDWARE CALIB. NO. SERIAL NO. 005



EQUATION COEFFICIENTS

A_0= -1.626 E-16
A_1= 4.000 E 00

AL DEV= 0
MX DEV / RANGE= .00000

0%= -1.626E-16
20%= 4.000E 00
40%= 8.000E 00
60%= 1.200E 01
80%= 1.600E 01
100%= 2.000E 01

MEASUREMENT NO.
600SL1037V0R

MEAS LOADING NO.
1105030 16

0 013

Change 2

17-19

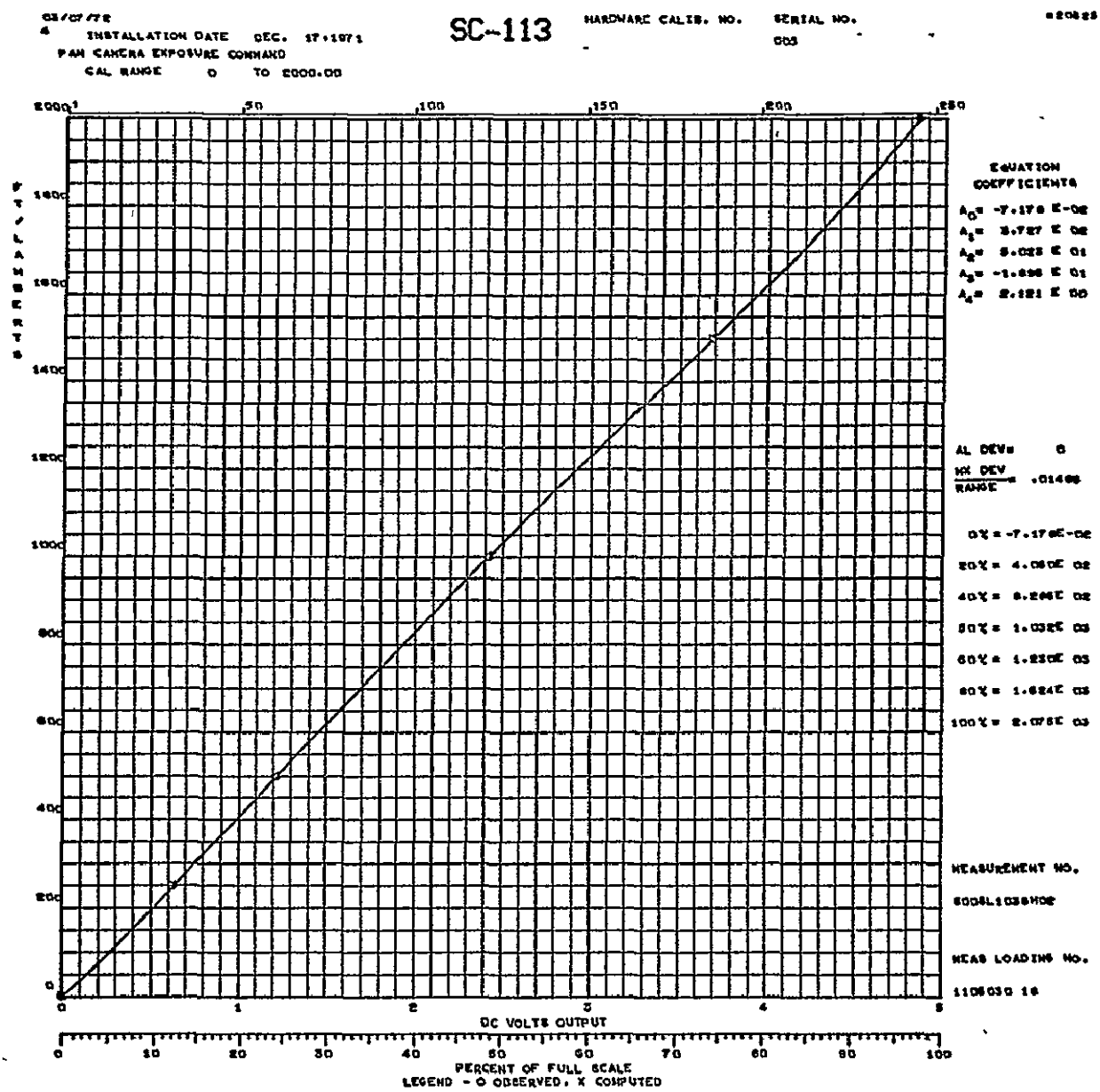
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA FMC TACH VOLTAGE

MEASUREMENT NO. 0005L1037V02
VEHICLE AC-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/	CNT	MRADS/
1	-0.000	37	2 880	73	5 760	109	8 640	145	11.520	181	14.400	217	17.200
2	0.080	38	2 960	74	5.840	110	8 720	146	11 600	182	14.480	218	17.360
3	0.160	39	3.040	75	5.920	111	8.000	147	11.680	183	14.560	219	17.440
4	0.240	40	3.120	76	6 000	112	8.880	148	11.760	184	14 640	220	17.520
5	0 320	41	3.200	77	6.080	113	8.960	149	11.840	185	14.720	221	17 600
6	0 400	42	3 280	78	6.160	114	9.040	150	11.920	186	14.800	222	17.680
7	0.480	43	3 360	79	6.240	115	9 120	151	12.000	187	14.080	223	17 760
8	0.560	44	3.440	80	6.320	116	9 200	152	12.080	188	14.960	224	17.840
9	0.640	45	3 520	81	6.400	117	9 280	153	12.160	189	15.040	225	17.920
10	0.720	46	3.600	82	6.480	118	9 360	154	12.240	190	15.120	226	18 000
11	0.800	47	3.680	83	6 560	119	9 440	155	12 320	191	15.200	227	18.080
12	0.880	48	3 760	84	6 640	120	9 520	156	12.400	192	15.280	228	18 160
13	0.960	49	3.840	85	6.720	121	9 600	157	12 480	193	15 360	229	18 240
14	1.040	50	3.920	86	6.800	122	9 680	158	12 560	194	15 440	230	18.320
15	1.120	51	4.000	87	6.880	123	9.760	159	12.640	195	15 520	231	18 400
16	1.200	52	4.080	88	6.960	124	9 840	160	12 720	196	15 600	232	18.480
17	1.280	53	4.160	89	7.040	125	9 920	161	12.800	197	15.680	233	18 560
18	1.360	54	4.240	90	7.120	126	10.000	162	12.880	198	15.760	234	18.640
19	1.440	55	4.320	91	7.200	127	10.080	163	12.960	199	15.840	235	18 720
20	1.520	56	4.400	92	7.280	128	10.160	164	13 040	200	15.920	236	18.000
21	1.600	57	4.480	93	7 360	129	10.240	165	13.120	201	16.000	237	18.880
22	1.680	58	4.560	94	7.440	130	10.320	166	13.200	202	16 080	238	18 960
23	1.760	59	4.640	95	7 520	131	10 400	167	13.280	203	16.160	239	19.040
24	1.840	60	4.720	96	7.600	132	10 480	168	13.360	204	16.240	240	19.120
25	1.920	61	4.800	97	7.680	133	10 560	169	13.440	205	16.320	241	19.200
26	2.000	62	4.880	98	7.760	134	10 640	170	13 520	206	16.400	242	19.280
27	2.080	63	4.960	99	7.840	135	10.720	171	13 600	207	16.480	243	19 360
28	2.160	64	5 040	100	7.920	136	10.800	172	13.680	208	16.560	244	19 440
29	2.240	65	5.120	101	8.000	137	10.880	173	13.760	209	16.640	245	19 520
30	2.320	66	5.200	102	8.080	138	10.960	174	13.840	210	16.720	246	19 600
31	2.400	67	5.280	103	8.160	139	11.040	175	13.920	211	16.800	247	19.680
32	2.480	68	5.360	104	8.240	140	11.120	176	14.000	212	16.880	248	19.760
33	2 560	69	5.440	105	8.320	141	11.200	177	14.080	213	16.960	249	19 840
34	2.640	70	5.520	106	8.400	142	11 280	178	14.160	214	17.040	250	19 920
35	2.720	71	5.600	107	8.480	143	11 360	179	14.240	215	17.120	251	20.000
36	2.800	72	5.680	108	8.560	144	11.440	180	14.320	216	17.200		

8 014 Change 2


SC-113
INSTALLATION DATE DEC. 17,1971
PAN CAMERA EXPOSURE COMMAND
CAL RANGE 0 TO 2000.00
HARDWARE CALIB. NO.
SERIAL NO.
003
EQUATION COEFFICIENTS
AL DEV= 0
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FAN CAMERA EXPOSURE COMMAND

MEASUREMENT NO. 0005L1036H02
VEHICLE BC-115-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	FT/LAM	CNT	FT/LAM	CNT	FT/LAM	CNT	FT/LAM	CNT	FT/LAM	CNT	FT/LAM	CNT	FT/LAM
1	-8.092	37	287 827	73	593 322	109	834 481	145	1103.053	181	1454 466	217	1757.654
2	7.405	38	295 203	74	601 016	110	902 673	146	1190 909	182	1472.353	218	1766.438
3	14.917	39	304.601	75	610.305	111	910.855	147	1190.759	183	1480 209	219	1775 077
4	22.469	40	313.005	76	618.789	112	919 025	148	1208.604	184	1488 095	220	1783.751
5	30.059	41	321.421	77	627.258	113	927.105	149	1214 443	185	1495.990	221	1792 451
6	37.605	42	329 847	78	635 741	114	935 335	150	1222.276	186	1503.837	222	1801.209
7	45.347	43	338 282	79	644 209	115	943 474	151	1230.105	187	1511.814	223	1809 994
8	53 044	44	346.727	80	652 671	116	951 602	152	1237.929	188	1519 743	224	1818 818
9	60 775	45	355 180	81	661.125	117	959 719	153	1245.749	189	1527.665	225	1827.682
10	68 539	46	363 641	82	669 575	118	967.825	154	1253.564	190	1535.640	226	1836.587
11	76.336	47	372.110	83	678.017	119	975.922	155	1261.376	191	1543 609	227	1845.535
12	84.164	48	380.585	84	685.452	120	984.009	156	1269 184	192	1551.591	228	1854.522
13	92.022	49	389 068	85	694.880	121	992.084	157	1276 990	193	1559 589	229	1863 555
14	99 911	50	397.556	86	703 300	122	1000 149	158	1284.793	194	1567.602	230	1872 631
15	107.828	51	406 049	87	711.712	123	1008.204	159	1292 593	195	1575.632	231	1881.754
16	115.774	52	414 548	88	720.117	124	1016.248	160	1300 392	196	1583 679	232	1890.922
17	123 747	53	423.050	89	728.513	125	1024.283	161	1308.189	197	1591 743	233	1900.138
18	131.747	54	431 557	90	736.901	126	1032.307	162	1315.985	198	1599.825	234	1909.402
19	139 772	55	440.066	91	745.280	127	1040 322	163	1323 780	199	1607.927	235	1918.716
20	147.823	56	448.579	92	753.651	128	1048 326	164	1331.575	200	1616 048	236	1928.079
21	155 898	57	457.094	93	762 013	129	1056 321	165	1339.370	201	1624.189	237	1937.494
22	163 997	58	465 612	94	770.366	130	1064.307	166	1347.165	202	1632.352	238	1946.962
23	172.119	59	474.130	95	778.709	131	1072 283	167	1354.961	203	1640.536	239	1956.482
24	180.263	60	482 650	96	787.043	132	1080 250	168	1362.759	204	1648.745	240	1966.057
25	188.428	61	491.171	97	795.368	133	1088 207	169	1370 558	205	1656.974	241	1975.687
26	196 614	62	499 691	98	803 683	134	1096.156	170	1378 360	206	1665 228	242	1985 374
27	204.820	63	508 212	99	811.988	135	1104.096	171	1386.165	207	1673.507	243	1995.118
28	213.065	64	516 732	100	820.283	136	1112.027	172	1393.972	208	1681.812	244	2004.920
29	221.289	65	525.251	101	828.569	137	1119.949	173	1401 763	209	1690.143	245	2014.782
30	229 550	66	533.769	102	836.844	138	1127.864	174	1409.599	210	1698 501	246	2024.705
31	237.829	67	542 285	103	845.109	139	1135.770	175	1417.419	211	1705.887	247	2034 689
32	246.124	68	550 798	104	853.364	140	1143 669	176	1425 244	212	1715 302	248	2044.736
33	254.436	69	559 310	105	861.608	141	1151.560	177	1433 075	213	1723 745	249	2054.847
34	262.762	70	567.818	106	869 842	142	1159 444	178	1440.912	214	1732 221	250	2065.023
35	271.103	71	576.323	107	878 066	143	1167.320	179	1448.756	215	1740 726	251	2075.266
36	279 458	72	584.825	108	886 279	144	1175.190	180	1456 607	216	1749.264		

03/07/72

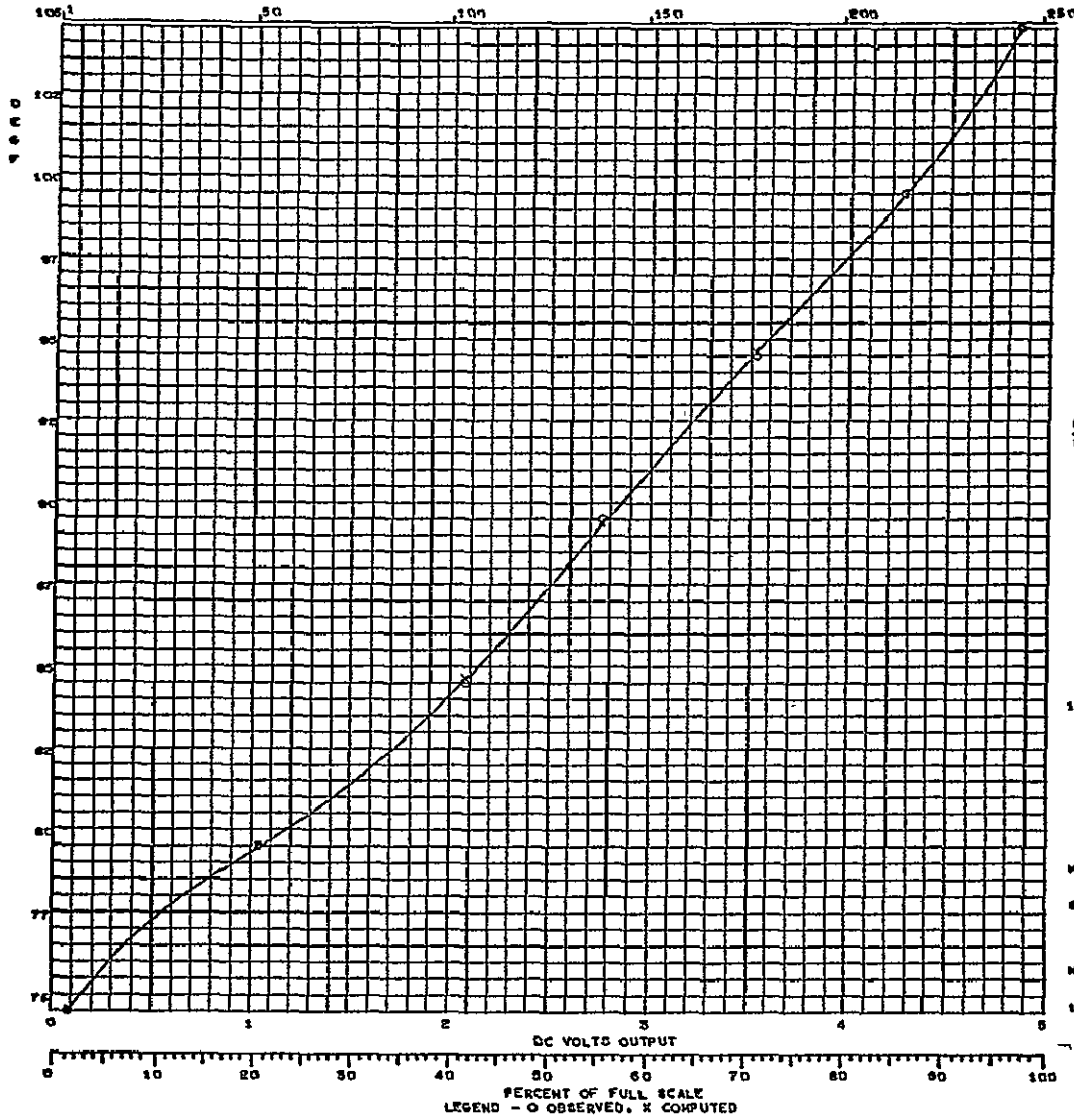
INSTALLATION DATE DEC. 17,1971

PAN CAMERA LENS BARREL TEMP (DEGF)

CAL RANGE 75.0000 TO 105.000

SC-113

HARDWARE CALIB. NO. SERIAL NO. 005



EQUATION COEFFICIENTS

A_0= 7.411 E 01

A_1= 1.060 E 01

A_2= -8.900 E 00

A_3= 4.940 E 00

A_4= -1.101 E 00

A_5= 8.721 E-02

AL DEV= 0

$\frac{\text{SX DEV}}{\text{RANGE}}$= .45746

0%= 7.411E 01

20%= 7.983E 01

40%= 8.459E 01

50%= 8.702E 01

60%= 9.150E 01

80%= 9.814E 01

100%= 1.071E 02

MEASUREMENT NO.

8005L1030T11

MEAS LOADING NO.

1000050 16

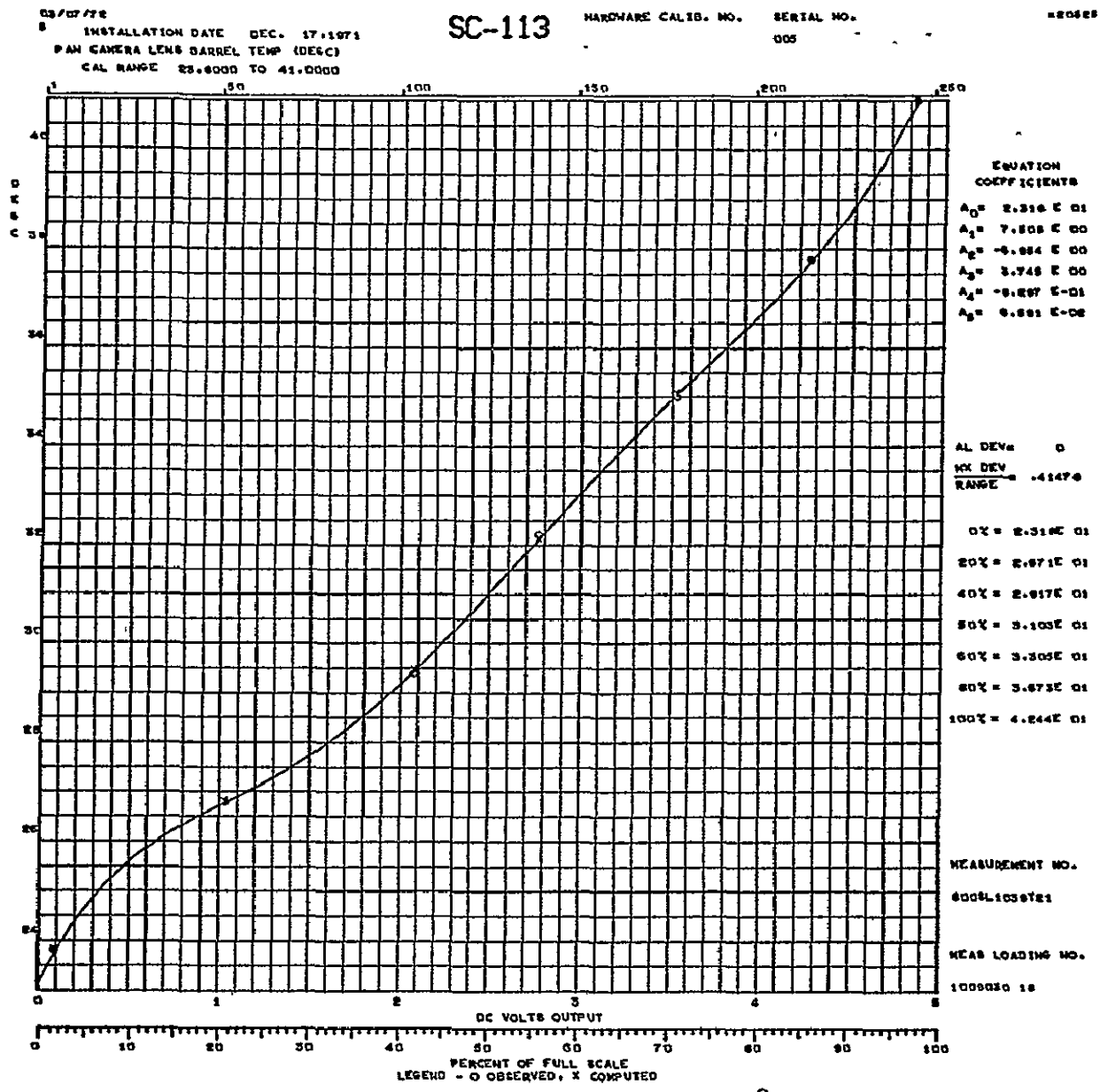
0 0.7 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA LENS BARREL TEMP (DEGF)

MEASUREMENT NO. 0008L1059T11
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	74.110	37	78 759	73	81.609	109	85.604	145	90 639	181	95 561	217	100 295
2	74.320	38	78.839	74	81.700	110	85.735	146	90 762	182	95 710	218	100 442
3	74.523	39	78 918	75	81.792	111	85.856	147	90.925	183	95.859	219	100.589
4	74.720	40	78 995	76	81.885	112	85.999	148	91.038	184	95.958	220	100 739
5	74.910	41	79 074	77	81 979	113	86.132	149	91.211	185	96.096	221	100 890
6	75.095	42	79 151	78	82 075	114	86 256	150	91.354	186	96.224	222	101.044
7	75.275	43	79 227	79	82.171	115	86 400	151	91.499	187	96.352	223	101.200
8	75.445	44	79 303	80	82.269	116	86.536	152	91 638	188	96 480	224	101 358
9	75.612	45	79 379	81	82.368	117	86.671	153	91 780	189	96.608	225	101.519
10	75 775	46	79.454	82	82.468	118	86.808	154	91.921	190	96.735	226	101.683
11	75.930	47	79.529	83	82.569	119	86.945	155	92.062	191	96.862	227	101.849
12	76.081	48	79.604	84	82.672	120	87.083	156	92.203	192	96.989	228	102.019
13	76.228	49	79.678	85	82.775	121	87.221	157	92.343	193	97.118	229	102.191
14	76.370	50	79.753	86	82.880	122	87.360	158	92.483	194	97.243	230	102.367
15	76.507	51	79 828	87	82.985	123	87.500	159	92.623	195	97.371	231	102.545
16	76.641	52	79.903	88	83.094	124	87 640	160	92.762	196	97.498	232	102.729
17	76.770	53	79.978	89	83 202	125	87.780	161	92 901	197	97.625	233	102 915
18	76.895	54	80.054	90	83.312	126	87.921	162	93 039	198	97.753	234	103.105
19	77.018	55	80.130	91	83.422	127	88.062	163	93 177	199	97.880	235	103.299
20	77.135	56	80.205	92	83.534	128	88.204	164	93 314	200	98.008	236	103.497
21	77.251	57	80 282	93	83 647	129	88.346	165	93.451	201	98.137	237	103.700
22	77.363	58	80.360	94	83 762	130	88.488	166	93.588	202	98.266	238	103.905
23	77.472	59	80.437	95	83.877	131	88.631	167	93 724	203	98 395	239	104.116
24	77.578	60	80.515	96	83.994	132	88.773	168	93 860	204	98.525	240	104 330
25	77.681	61	80 595	97	84.111	133	88.916	169	93.995	205	98 655	241	104.550
26	77.782	62	80.675	98	84.230	134	89 060	170	94.129	206	98.785	242	104.765
27	77.880	63	80.755	99	84.350	135	89 205	171	94 264	207	98.918	243	105.015
28	77.976	64	80.836	100	84.471	136	89 346	172	94 397	208	99.051	244	105.252
29	78.070	65	80.918	101	84.593	137	89.490	173	94.530	209	99 185	245	105.495
30	78.162	66	81.001	102	84.715	138	89 634	174	94.663	210	99.319	246	105.745
31	78 252	67	81.085	103	84.840	139	89 777	175	94.796	211	99 455	247	106.001
32	78.340	68	81 170	104	84.965	140	89.921	176	94.927	212	99 592	248	106 263
33	78.427	69	81 256	105	85.091	141	90 065	177	95.059	213	99 730	249	106.531
34	78.512	70	81.343	106	85.218	142	90.208	178	95.190	214	99.869	250	106.807
35	78.595	71	81.430	107	85.346	143	90.352	179	95 321	215	100.010	251	107.089
36	78.678	72	81.519	108	85.475	144	90.496	180	95.451	216	100.152		



8 019 Change 2

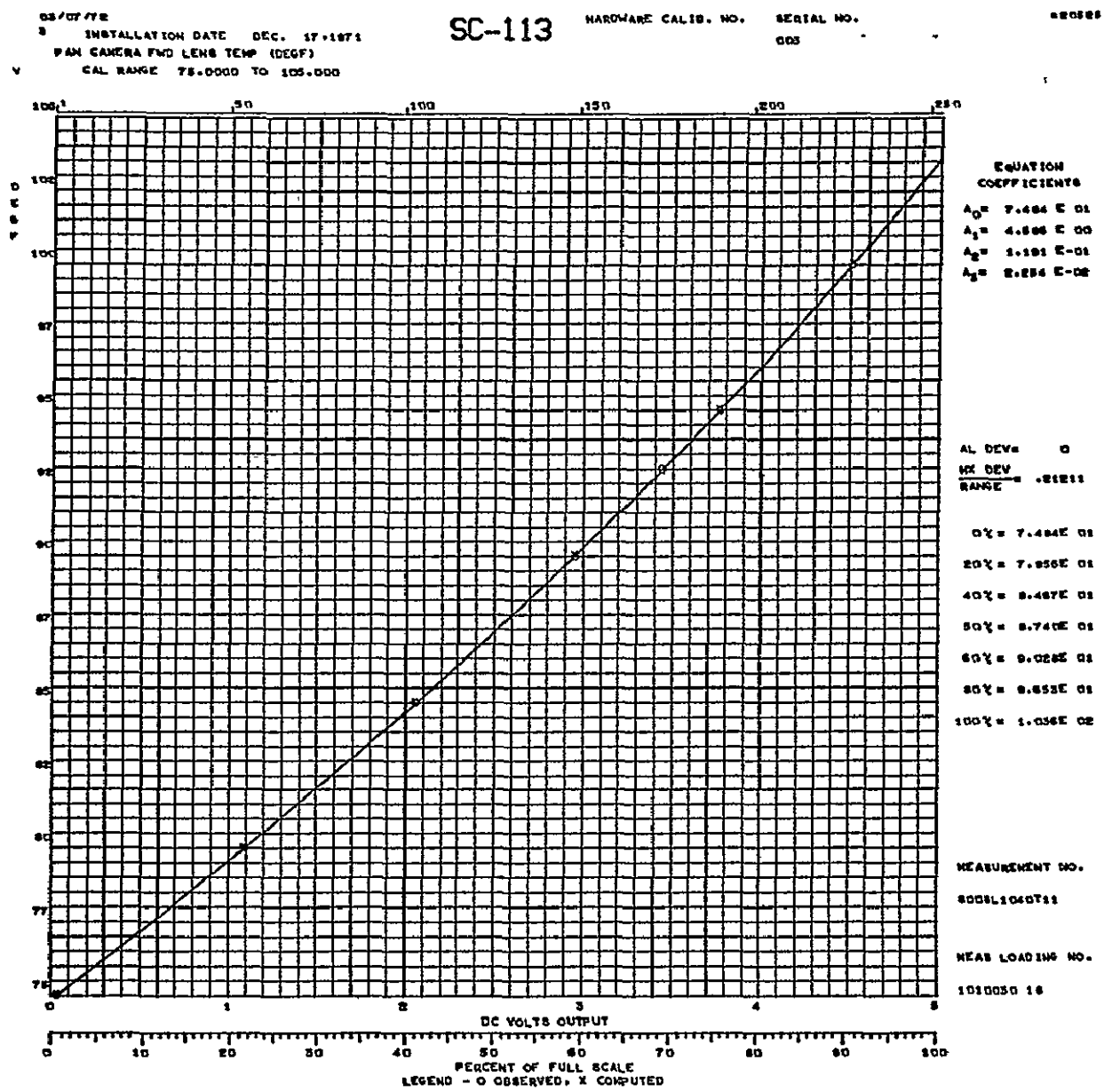
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA LENS BARREL TEMP (DEGC)

MEASUREMENT NO 6005L1089121
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIXER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	23.180	37	26.168	73	27.594	109	29 735	145	32 506	181	35 317	217	37.900
2	23.327	38	26.211	74	27.640	110	29 005	146	32 646	182	35.368	218	38 057
3	23.459	39	26.253	75	27.69?	111	29 878	147	32 727	183	35.459	219	38 156
4	23.606	40	26.294	76	27.735	112	29 952	148	32 803	184	35 530	220	38 246
5	23.738	41	26.334	77	27.783	113	30 026	149	32 883	185	35.601	221	38 338
6	23.855	42	26.374	78	27.832	114	30.101	150	32 958	186	35 671	222	38 432
7	23 987	43	26.414	79	27.882	115	30.176	151	33 018	187	35.742	223	38 520
8	24.104	44	26.452	80	27.932	116	30.252	152	33 128	188	35 812	224	38 626
9	24.218	45	26 491	81	27.033	117	30.328	153	33 207	189	35 882	225	38.726
10	24.327	46	26.529	82	28.055	118	30.405	154	33.286	190	35.952	226	38 828
11	24.432	47	26.566	83	28.088	119	30.482	155	33.365	191	36.023	227	38 932
12	24.533	48	26.605	84	28.142	120	30.559	156	33.444	192	36 093	228	39.039
13	24.630	49	26.641	85	28.195	121	30.637	157	33 523	193	36 163	229	39 149
14	24.724	50	26.678	86	28.252	122	30.715	158	33 601	194	36.233	230	39 261
15	24.814	51	26.715	87	28.308	123	30 794	159	33.679	195	36 304	231	39 375
16	24.901	52	26.752	88	28.364	124	30.873	160	33 757	196	36.375	232	39 493
17	24.984	53	26 788	89	28.422	125	30.952	161	33.834	197	36 445	233	39 615
18	25.065	54	26.825	90	28.481	126	31.031	162	33 911	198	36 517	234	39.737
19	25.142	55	26.863	91	28.540	127	31.111	163	33.988	199	36.588	235	39 863
20	25.217	56	26.900	92	28.600	128	31.191	164	34 054	200	36 660	236	39 993
21	25 289	57	26 937	93	28.661	129	31.271	165	34.141	201	36.732	237	40.127
22	25.359	58	26.975	94	28.722	130	31.351	166	34 216	202	36.804	238	40 264
23	25.425	59	27.013	95	28.784	131	31 432	167	34 292	203	36.877	239	40 405
24	25.490	60	27 051	96	28.848	132	31.512	168	34.367	204	36.950	240	40.549
25	25.555	61	27.090	97	28.911	133	31.593	169	34 442	205	37.024	241	40.698
26	25 615	62	27.129	98	28.976	134	31 674	170	34.517	206	37.099	242	40.851
27	25.672	63	27.169	99	29 041	135	31.755	171	34.591	207	37.174	243	41.008
28	25.728	64	27 209	100	29.107	136	31.836	172	34.665	208	37.251	244	41.169
29	25.783	65	27.249	101	29 174	137	31.917	173	34.738	209	37.327	245	41.335
30	25.836	66	27.290	102	29.242	138	31.998	174	34.812	210	37.405	246	41.505
31	25.887	67	27 332	103	29 310	139	32.080	175	34.885	211	37.484	247	41.682
32	25 937	68	27.374	104	29 379	140	32 161	176	34.957	212	37.564	248	41.865
33	25.985	69	27.417	105	29.448	141	32.242	177	35.030	213	37.644	249	42.049
34	26.033	70	27.460	106	29 518	142	32 323	178	35.102	214	37 726	250	42.240
35	26.079	71	27.504	107	29 589	143	32 404	179	35.174	215	37.809	251	42.437
36	26.124	72	27.549	108	29.661	144	32 485	180	35.246	216	37 894		

8 020 Change 2


SC-113
INSTALLATION DATE DEC. 17,1971
PAN CAMERA FWD LENS TEMP (DEGF)
CAL RANGE 75.0000 TO 105.000
HARDWARE CALIB. NO.
SERIAL NO.
005
EQUATION COEFFICIENTS
A_0= 7.484 E 01
A_1= 4.886 E 00
A_2= 1.191 E-01
A_3= 2.284 E-02
AL DEV= 0
MX DEV / RANGE = .21E11
0% = 7.484E 01
20% = 7.956E 01
40% = 8.427E 01
50% = 8.748E 01
60% = 9.028E 01
80% = 9.653E 01
100% = 1.036E 02
MEASUREMENT NO.
8005L1040T11
MEAS LOADING NO.
1010050 16
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

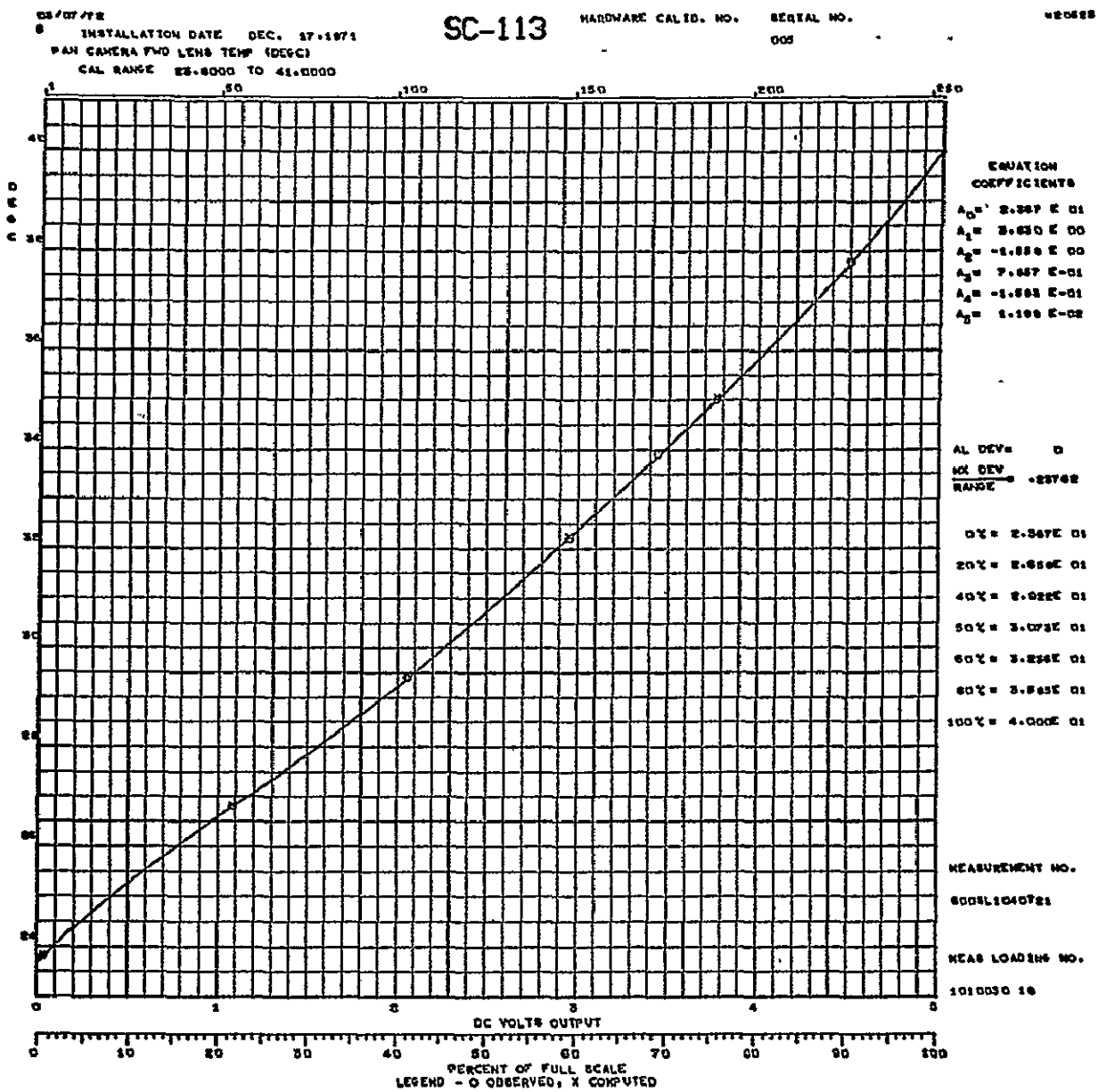
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FAN CAMERA FWD LENS TEMP (DEGF)

MEASUREMENT NO 600SL104DT11
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	74.638	37	78 209	73	81 755	109	85 525	145	89 571	181	93.941	217	98.687
2	74.929	38	78 305	74	81 857	110	85 634	146	89.687	182	94.050	218	98.825
3	75 021	39	78.401	75	81.958	111	85.743	147	89.804	183	94.194	219	98.953
4	75 113	40	78 498	76	82 060	112	85.851	148	89 922	184	94.321	220	99 101
5	75.208	41	78 594	77	82 162	113	85.950	149	90 039	185	94.449	221	99 240
6	75 297	42	78 690	78	82 264	114	86.070	150	90.157	186	94 577	222	99.379
7	75.390	43	78 787	79	82 367	115	86.179	151	90 275	187	94 705	223	99 518
8	75.482	44	78.884	80	82.469	116	86 289	152	90.393	188	94.833	224	99.656
9	75.574	45	78 981	81	82.572	117	86 399	153	90 512	189	94.961	225	99.798
10	75.667	46	79.078	82	82.675	118	86.509	154	90.631	190	95.090	226	99.938
11	75.760	47	79 175	83	82.778	119	86.619	155	90.750	191	95.220	227	100.079
12	75.852	48	79 272	84	82.881	120	86.730	156	90 869	192	95.349	228	100.220
13	75.945	49	79.370	85	82.985	121	36.841	157	90.989	193	95.479	229	100 362
14	76.038	50	79.467	86	83.088	122	86.952	158	91.109	194	95.609	230	100.503
15	76.131	51	79.565	87	83.192	123	87.063	159	91 229	195	95.739	231	100.645
16	76.225	52	79.663	88	83.295	124	87.175	160	91.349	196	95.870	232	100.788
17	76.318	53	79.761	89	83.400	125	87.286	161	91.470	197	96.001	233	100.930
18	76 411	54	79.859	90	83 505	126	87.398	162	91.591	198	96.132	234	101.074
19	76.505	55	79.957	91	83.609	127	87.511	163	91.712	199	96 264	235	101.217
20	76 599	56	80.056	92	83.714	128	87 623	164	91.833	200	95 395	236	101.361
21	76.692	57	80.155	93	83 819	129	87.736	165	91.955	201	95.528	237	101.505
22	76.786	58	80.254	94	83 924	130	87.848	166	92 077	202	95.661	238	101.649
23	76.880	59	80.352	95	84.029	131	87.962	167	92.199	203	95 794	239	101.794
24	76.974	60	80.452	96	84.135	132	88.075	168	92.322	204	95.927	240	101.940
25	77.069	61	80.551	97	84.241	133	88.189	169	92.445	205	97.060	241	102.085
26	77.163	62	80.650	98	84.347	134	88.302	170	92.568	206	97.194	242	102.231
27	77.258	63	80.750	99	84.453	135	88.416	171	92.691	207	97.328	243	102.377
28	77.352	64	80.850	100	84.559	136	88.531	172	92.815	208	97.463	244	102.524
29	77.447	65	80.950	101	84.666	137	88.645	173	92.939	209	97.597	245	102 671
30	77.542	66	81.050	102	84.772	138	88.760	174	93.063	210	97.733	246	102.818
31	77.637	67	81.150	103	84.879	139	88.875	175	93.188	211	97.868	247	102.966
32	77.732	68	81.251	104	84.987	140	88.990	176	93.313	212	98 004	248	103.114
33	77.827	69	81.351	105	85.094	141	89.105	177	93.438	213	98 140	249	103.262
34	77.923	70	81.452	106	85.202	142	89 222	178	93 563	214	98.276	250	103 411
35	78.018	71	81.553	107	85.309	143	89 338	179	93.689	215	98.413	251	103.560
36	78.114	72	81.654	108	85.417	144	89 454	180	93.815	216	98.550		

8 022 Change_ 2


SC-113
INSTALLATION DATE DEC. 17.1971
PAN CAMERA FWD LENS TEMP (DEGC)
CAL RANGE 25.6000 TO 41.0000
HARDWARE CALID. NO.
SERIAL NO.
005
EQUATION COEFFICIENTS
AL DEV=
MX DEV / RANGE=
0%=
20%=
40%=
50%=
60%=
80%=
100%=
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA FWD LENS TEMP (DEGC)

MEASUREMENT NO. 80XXL104dT21
VEHICLE 6C-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

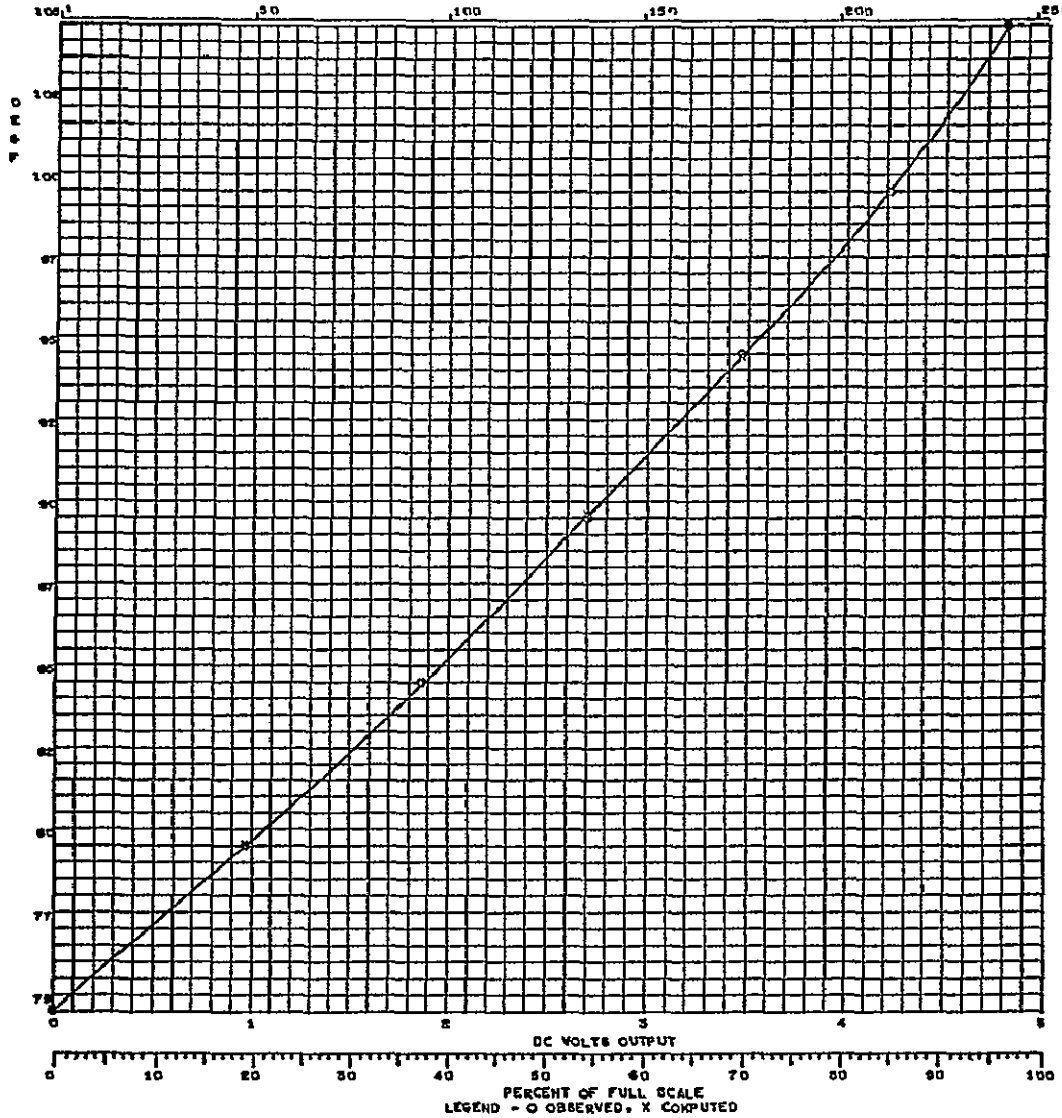
CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	23.656	37	25 670	73	27.688	109	29 606	145	31.952	181	34.418	217	37.046
2	23.744	38	25.822	74	27.739	110	29 746	146	32.028	182	34.489	218	37.124
3	23.818	39	25.973	75	27.791	111	29 695	147	32.056	183	34.559	219	37 202
4	23.892	40	26.024	76	27.844	112	29 666	148	32.161	184	34.629	220	37 200
5	23.964	41	26 075	77	27.895	113	29 935	149	32 228	185	34.700	221	37.359
6	24.036	42	26.125	78	27.949	114	29.967	150	32 295	186	34.770	222	37.438
7	24.105	43	26.177	79	28.001	115	30.048	151	32.362	187	34.841	223	37.518
8	24.175	44	26 227	80	28.054	116	30.109	152	32.429	188	34.912	224	37.598
9	24.244	45	26.278	81	28.107	117	30.170	153	32.496	189	34.983	225	37.678
10	24.311	46	26.328	82	28.161	118	30 232	154	32 563	190	35.054	226	37.759
11	24.377	47	26.378	83	28.214	119	30.295	155	32.630	191	35.125	227	37.841
12	24.443	48	26.428	84	28.268	120	30.355	156	32.698	192	35.195	228	37.923
13	24.507	49	26.478	85	28.322	121	30.417	157	32.766	193	35.268	229	38 005
14	24.571	50	26.528	86	28.376	122	30 480	158	32.833	194	35.340	230	38 089
15	24.634	51	26.578	87	28.431	123	30.542	159	32 901	195	35.412	231	38.172
16	24 696	52	26.628	88	28.485	124	30.605	160	32.969	196	35 484	232	38.256
17	24.758	53	26.678	89	28.540	125	30 668	161	33.037	197	35.556	233	38 341
18	24.818	54	26 728	90	28.595	126	30 731	162	33 105	198	35.628	234	38.427
19	24.879	55	26.777	91	28.651	127	30 794	163	33.173	199	35.701	235	38 513
20	24.938	56	26.827	92	28.706	128	30.858	164	33 242	200	35 773	236	38.600
21	24.997	57	26.877	93	28.762	129	30 921	165	33,310	201	35.846	237	38 687
22	25.055	58	26.927	94	28.818	130	30.985	166	33.379	202	35.919	238	38 775
23	25.112	59	26.977	95	28.874	131	31.049	167	33.447	203	35.993	239	38.864
24	25.169	60	27.027	96	28.931	132	31.113	168	33.516	204	36.066	240	38 954
25	25.226	61	27.077	97	28.987	133	31.178	169	33 585	205	36.140	241	39.045
26	25,282	62	27.128	98	29 044	134	31.242	170	33 654	206	36.214	242	39.136
27	25.337	63	27.178	99	29.101	135	31.307	171	33.723	207	36.288	243	39.228
28	25.392	64	27 228	100	29.159	136	31.372	172	33.792	208	36 363	244	39.321
29	25.447	65	27.279	101	29.217	137	31.437	173	33.861	209	36.437	245	39 415
30	25.501	66	27.329	102	29 274	138	31.502	174	33.931	210	36.512	246	39 509
31	25.555	67	27.380	103	29 333	139	31.567	175	34.000	211	36.588	247	39 605
32	25.608	68	27.431	104	29.391	140	31.632	176	34.069	212	36.663	248	39.701
33	25.661	69	27.482	105	29.450	141	31 698	177	34.139	213	36.739	249	39 799
34	25.714	70	27.533	106	29.508	142	31.764	178	34.209	214	36.815	250	39.897
35	25.766	71	27.585	107	29 567	143	31.830	179	34.279	215	36.892	251	39.997
36	25.818	72	27.636	108	29 627	144	31 896	180	34.348	216	36.969		

Change 2

03/07/72
S INSTALLATION DATE DEC. 17,1971
PAN CAMERA AFT LENS TEMP (DEGF)
CAL RANGE 75.0000 TO 105.000

SC-113

HARDWARE CALIB. NO. SERIAL NO. 005



EQUATION COEFFICIENTS

A_0= 7.500 E 01
A_1= 3.781 E 00
A_2= -1.351 E 00
A_3= 9.069 E-01
A_4= -2.515 E-01
A_5= 2.256 E-02

AL DEV= 0

MX DEV / RANGE = .27660

0% = 7.500E 01
20% = 8.017E 01
40% = 8.572E 01
50% = 8.877E 01
60% = 9.192E 01
80% = 9.845E 01
100% = 1.071E 02

MEASUREMENT NO.
0005L1041711

MEAS LOADING NO.
1019030 18

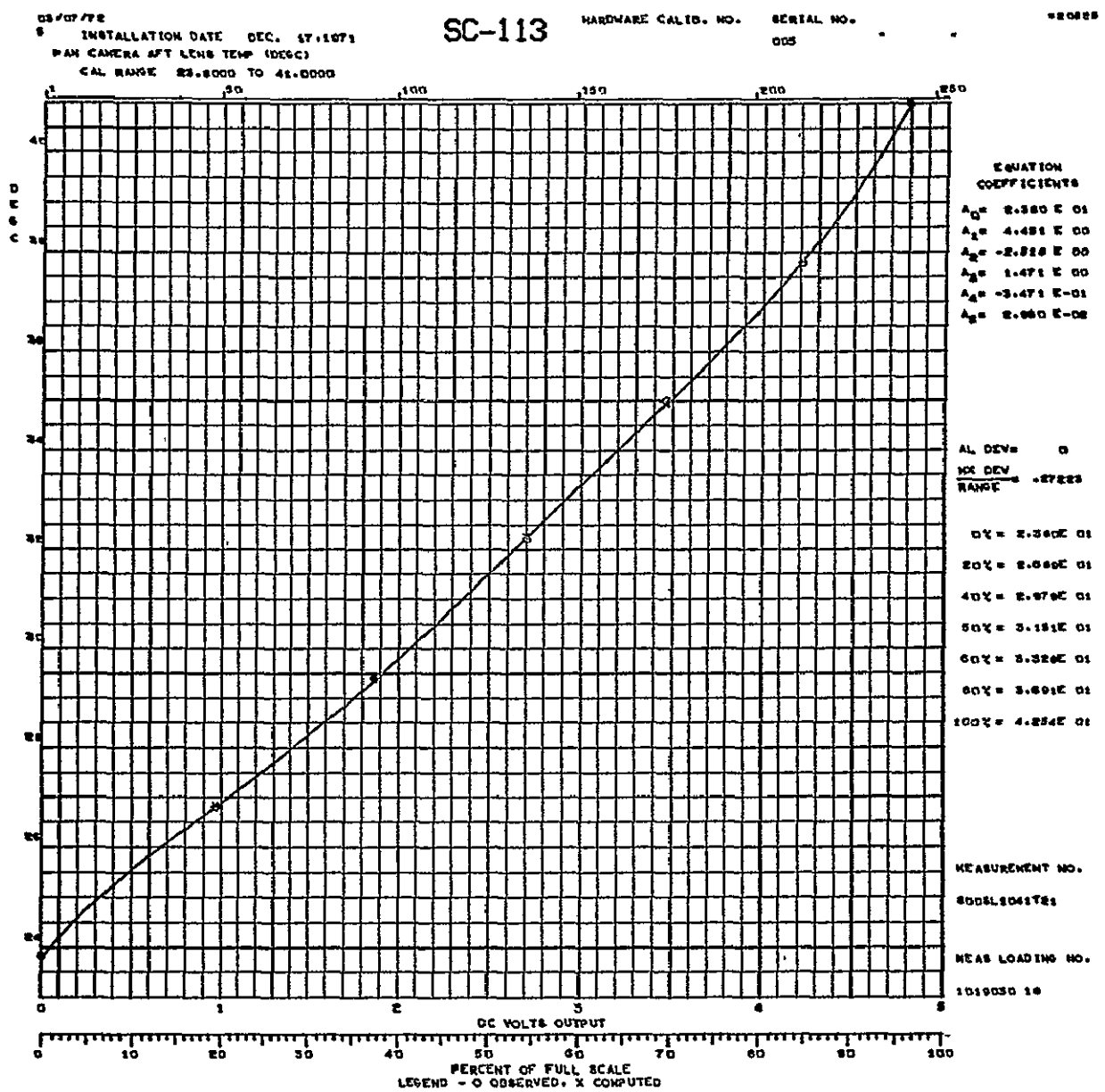
8 025 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA AFT LENS TEMP (DEGF)

MEASUREMENT NO. 0000L1041T11
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	74 998	37	78 751	73	82 499	109	86 660	145	91.150	181	95.764	217	100.630
2	75.112	38	78 851	74	82 609	110	86.002	146	91.269	182	95.033	218	100 958
3	75 226	39	78 951	75	82 720	111	86.023	147	91.413	183	95.023	219	101 115
4	75.339	40	79 051	76	82.831	112	87.045	148	91 539	184	95.157	220	101 271
5	75.450	41	79 152	77	82 942	113	87.168	149	91.656	185	95.289	221	101.431
6	75.561	42	79 252	78	83 053	114	87.290	150	91.782	186	95.421	222	101 592
7	75.671	43	79 353	79	83 165	115	87.413	151	91 919	187	95 553	223	101 754
8	75.700	44	79 454	80	83 276	116	87.535	152	92 015	188	95.665	224	101.918
9	75.889	45	79.555	81	83.350	117	87.659	153	92 173	189	95.819	225	102.084
10	75.926	46	79 656	82	83 503	118	87.782	154	92 300	190	95.952	226	102 251
11	76.105	47	79 758	83	83 617	119	87 905	155	92 427	191	97.005	227	102 420
12	76.210	48	79.650	84	83 731	120	88.029	156	92 554	192	97.221	228	102 591
13	76.315	49	79 952	85	83.845	121	88.153	157	92 681	193	97.355	229	102.763
14	76.420	50	80 054	86	83 959	122	88.277	158	92 808	194	97.491	230	102.037
15	76 525	51	80 156	87	84.074	123	88.401	159	92 935	195	97 627	231	103.113
16	76.629	52	80.259	88	84.189	124	88.525	160	93 002	196	97.763	232	103.292
17	76.735	53	80.372	89	84.305	125	88 649	161	93 190	197	97.900	233	103 472
18	76.836	54	80.475	90	84.421	126	88 774	162	93 317	198	98 037	234	103 654
19	76.939	55	80.579	91	84 537	127	88.899	163	93 445	199	98.176	235	103.838
20	77.041	56	80.683	92	84.653	128	89 023	164	93 572	200	98.314	236	104.024
21	77.143	57	80.787	93	84.770	129	89 148	165	93 700	201	98 454	237	104.213
22	77.245	58	00 691	94	84 007	130	89 273	166	93.828	202	98 594	238	104.403
23	77.346	59	80 995	95	85 005	131	89.398	167	93.956	203	98.735	239	104.597
24	77.447	60	81.101	96	85 123	132	89.524	168	94.084	204	98.876	240	104 792
25	77 548	61	81.207	97	85.241	133	89 649	169	94.212	205	99 019	241	104.990
26	77.649	62	81 312	98	85 359	134	89.775	170	94.341	206	99.162	242	105.191
27	77.749	63	81.418	99	85 478	135	89 900	171	94.469	207	99 305	243	105 394
28	77.850	64	81.525	100	85 597	135	90.035	172	94.598	208	99 451	244	105 600
29	77.950	65	81.632	101	85 715	137	90.151	173	94.727	209	99 595	245	105.809
30	78.050	66	81 739	102	85 836	138	90.277	174	94.856	210	99 743	246	106.020
31	78.150	67	81.845	103	85.955	139	90.403	175	94.985	211	99 091	247	106.234
32	78.250	68	81.954	104	85.076	140	90 529	176	95 114	212	100 040	248	106 452
33	78.350	69	82 053	105	85.195	141	90 655	177	95 244	213	100.190	249	106.672
34	78.450	70	82 171	106	85 317	142	90.781	178	95 373	214	100 340	250	106.895
35	78 550	71	82 280	107	86 437	143	90 907	179	95 503	215	100 492	251	107.122
36	78 651	72	82 390	108	85 559	144	91 034	180	95 634	216	100 648		



8 027 Change_2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA AFT LENS TEMP (DEGC)

MEASUREMENT NO. 0005L1041T21
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	23.799	37	25 150	73	28.070	109	30 326	145	32 657	181	35 419	217	38 275
2	23.807	38	25.212	74	28.127	110	30 394	146	32.929	182	35.491	218	38.368
3	23 975	39	25.264	75	28.185	111	30 462	147	33.000	183	35.565	219	38.464
4	24.057	40	25.317	76	28.242	112	30 530	148	33 071	184	35.655	220	38 560
5	24.139	41	25 369	77	28.300	113	30.599	149	33 142	185	35 708	221	38 656
6	24.220	42	25.420	78	28.358	114	30.668	150	33 214	186	35.780	222	38.757
7	24.299	43	25.472	79	28.417	115	30.737	151	33.285	187	35.853	223	38.858
8	24.376	44	25.524	80	28.476	116	30.808	152	33.356	188	35.925	224	38 950
9	24.452	45	25 576	81	28.535	117	30.875	153	33 427	189	36.000	225	39 054
10	24.525	46	25.627	82	28.595	118	30.945	154	33.498	190	36.074	226	39.170
11	24.599	47	25.679	83	28.655	119	31.014	155	33.570	191	36.148	227	39.277
12	24.671	48	25.730	84	28.715	120	31.084	156	33.641	192	36 222	228	39 385
13	24.741	49	25.782	85	28.776	121	31.154	157	33 712	193	36.297	229	39.497
14	24.810	50	25 834	86	28.837	122	31 224	158	33 783	194	36.372	230	39 610
15	24.878	51	25.885	87	28.898	123	31.294	159	33.854	195	36.448	231	39.725
16	24.944	52	25.937	88	28.950	124	31.365	160	33.925	196	36.524	232	39 841
17	25.010	53	25 989	89	29 022	125	31.436	161	33.996	197	36.600	233	39 980
18	25.074	54	27 041	90	29.004	126	31 505	162	34 057	198	36.677	234	40.081
19	25.138	55	27.093	91	29 147	127	31.576	163	34.138	199	36.755	235	40 205
20	25 200	56	27.145	92	29 210	128	31.647	164	34.209	200	36.833	236	40 330
21	25.262	57	27.198	93	29 275	129	31.718	165	34.280	201	36 911	237	40.456
22	25.322	58	27.251	94	29 337	130	31 789	166	34.350	202	36.990	238	40 588
23	25.382	59	27 304	95	29.401	131	31.860	167	34 421	203	37.070	239	40 721
24	25.441	60	27.357	96	29.465	132	31.881	168	34 492	204	37.151	240	40.856
25	25.500	61	27.410	97	29.530	133	32.002	169	34.563	205	37.232	241	40.994
26	25.558	62	27.463	98	29 594	134	32 073	170	34.634	206	37.314	242	41.135
27	25.615	63	27 517	99	29 660	135	32.144	171	34.705	207	37.396	243	41.279
28	25.671	64	27.571	100	29.725	136	32.215	172	34.776	208	37 480	244	41.425
29	25.727	65	27.625	101	29 791	137	32.287	173	34.847	209	37.564	245	41.575
30	25.783	66	27.680	102	29 857	138	32 358	174	34.918	210	37.650	246	41.727
31	25.838	67	27.735	103	29.923	139	32 429	175	34.990	211	37.736	247	41.883
32	25.892	68	27.790	104	29 989	140	32.501	176	35.061	212	37.823	248	42.042
33	25.946	69	27.845	105	30.056	141	32.572	177	35.132	213	37.911	249	42.204
34	26.000	70	27.901	106	30.123	142	32.643	178	35.204	214	38 000	250	42 370
35	26.054	71	27.957	107	30.191	143	32.715	179	35 275	215	38 091	251	42 539
36	26.107	72	28.014	108	30.258	144	32.786	180	35 347	216	38.182		

03/07/72

INSTALLATION DATE DEC. 17:1971

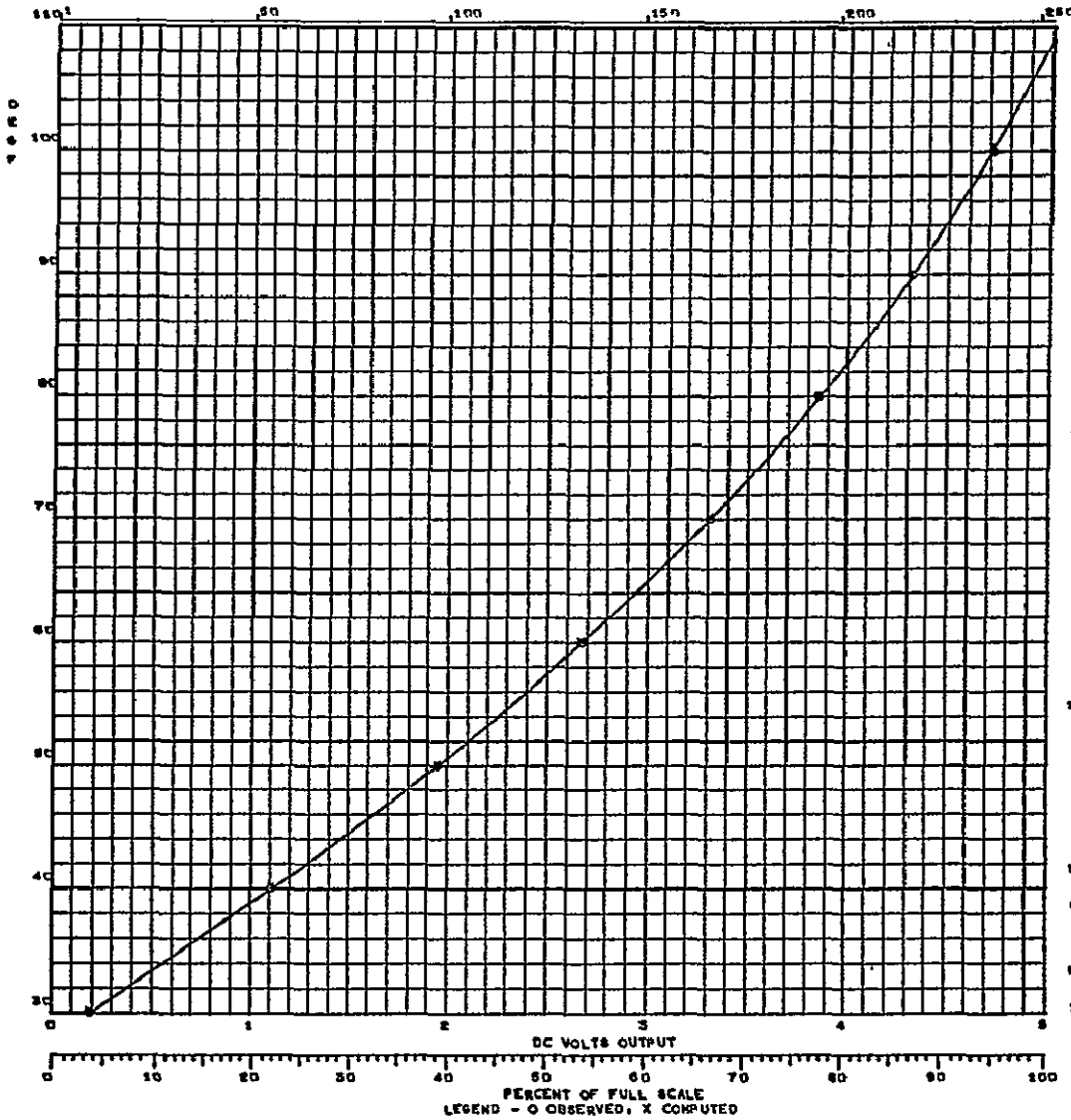
SC-113

HARDWARE CALIB. NO.

SERIAL NO. 005

PAN CAMERA MECH TEMP (DEGF)

CAL RANGE 80.0000 TO 110.000



EQUATION COEFFICIENTS

A_0= 8.771 E 01

A_1= 1.852 E 01

A_2= -2.845 E 00

A_3= 1.810 E 00

A_4= -4.022 E-01

A_5= 3.679 E-02

AL DEV= 0

MX DEV / RANGE= .26924

0% = 8.771E 01

20% = 9.693E 01

40% = 9.059E 01

50% = 9.739E 01

60% = 8.468E 01

80% = 8.278E 01

100% = 1.080E 02

MEASUREMENT NO.

6005L1042T11

MEAS LOADING NO.

1088030 16

8 029 Change 2

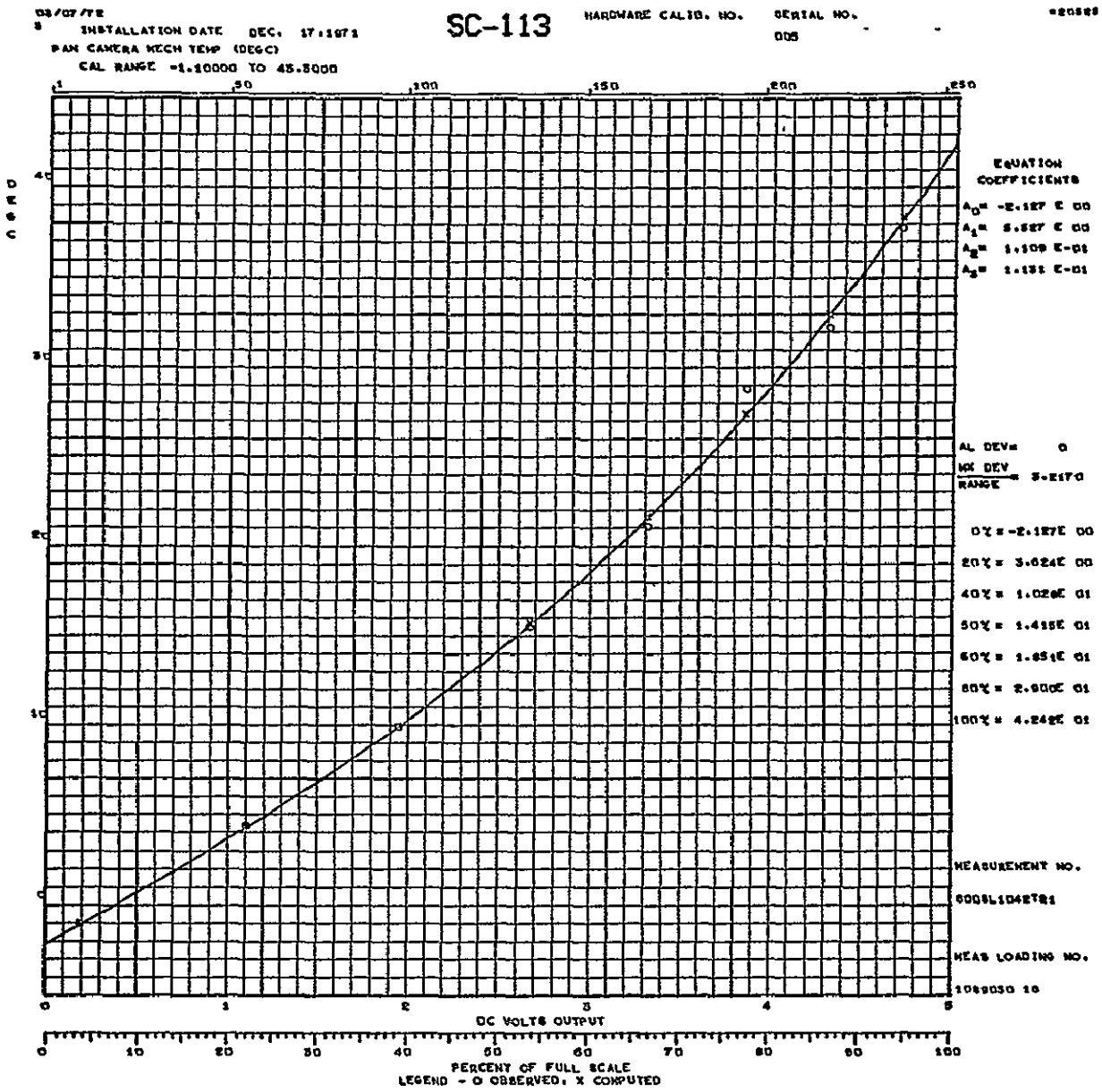
CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

PAN CAMERA MECH TEMP (DEGF)

MEASUREMENT NO. 8005L1012T11
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 005
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	27.707	37	35.023	73	43 741	109	52 692	145	63.015	181	75.022	217	89 637
2	27.956	38	36.035	74	43 973	110	52 950	146	63.325	182	75.368	218	90 311
3	28.203	39	36 250	75	44 206	111	53 228	147	63 634	183	75 755	219	90 786
4	28 449	40	36 464	76	44.440	112	53 498	148	63 945	184	76.124	220	91 270
5	28.692	41	36.678	77	44.674	113	53 769	149	64.257	185	76.495	221	91.757
6	28 933	42	36.892	78	44 909	114	54.040	150	64 570	186	76 870	222	92.248
7	29.172	43	37.106	79	45 146	115	54.313	151	64.885	187	77 246	223	92.743
8	29 409	44	37 320	80	45 383	116	54.587	152	65.201	188	77.624	224	93.244
9	29.645	45	37.535	81	45.621	117	54.862	153	65.518	189	78 005	225	93.749
10	29 879	46	37.749	82	45.860	118	55.138	154	65 837	190	78 388	226	94 259
11	30.111	47	37.965	83	46.100	119	55 416	155	66.157	191	78.774	227	94.774
12	30.343	48	38 180	84	46 341	120	55 694	156	66.478	192	79.162	228	95 294
13	30.572	49	38.396	85	46 583	121	55.973	157	66.801	193	79.553	229	95.819
14	30.800	50	38 612	86	46 826	122	56.254	158	67.125	194	79 946	230	96.349
15	31.027	51	38 828	87	47.070	123	56.535	159	67.451	195	80.342	231	96.885
16	31.253	52	39 045	88	47.315	124	56.818	160	67.778	196	80.740	232	97.425
17	31.478	53	39 263	89	47.561	125	57.102	161	68 105	197	81 142	233	97.973
18	31.702	54	39.480	90	47.808	126	57.387	162	68.435	198	81 545	234	98 528
19	31.924	55	39 699	91	48.055	127	57.673	163	68.766	199	81.953	235	99 094
20	32.146	56	39.918	92	48.304	128	57.960	164	69 101	200	82.365	236	99.648
21	32.367	57	40.137	93	48.554	129	58.248	165	69 436	201	82 775	237	100 219
22	32 585	58	40 357	94	48.805	130	58.537	166	69.772	202	83 191	238	100 795
23	32 805	59	40.576	95	49 057	131	58 828	167	70.110	203	83.610	239	101 378
24	33 024	60	40 799	96	49.310	132	59 119	168	70 449	204	84.032	240	101.967
25	33 242	61	41 021	97	49.564	133	59 412	169	70 790	205	84.458	241	102.562
26	33.459	62	41 244	98	49 819	134	59 706	170	71.133	206	84.886	242	103.164
27	33.676	63	41.467	99	50.075	135	60.001	171	71.477	207	85.318	243	103.773
28	33 892	64	41.691	100	50.332	136	60 297	172	71 824	208	85 753	244	104 389
29	34.107	65	41 916	101	50.590	137	60 595	173	72.172	209	86.192	245	105.012
30	34.323	66	42.141	102	50.849	138	60 895	174	72.521	210	86.635	246	105.642
31	34.538	67	42.367	103	51.109	139	61.193	175	72.873	211	87.081	247	106.279
32	34.752	68	42.594	104	51.370	140	61 494	176	73 225	212	87.530	248	106.923
33	34.967	69	42.822	105	51.633	141	61 796	177	73 582	213	87.984	249	107 575
34	35.181	70	43 051	106	51.896	142	62 099	178	73 939	214	88.441	250	108.235
35	35.395	71	43 280	107	52.160	143	62 404	179	74 298	215	88.902	251	108.902
36	35.609	72	43.510	108	52.425	144	62 709	180	74.659	216	89 368		

8 030 Change 2



8 031 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA MECH TEMP (DEG C)

MEASUREMENT NO 00CSL1042T21
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

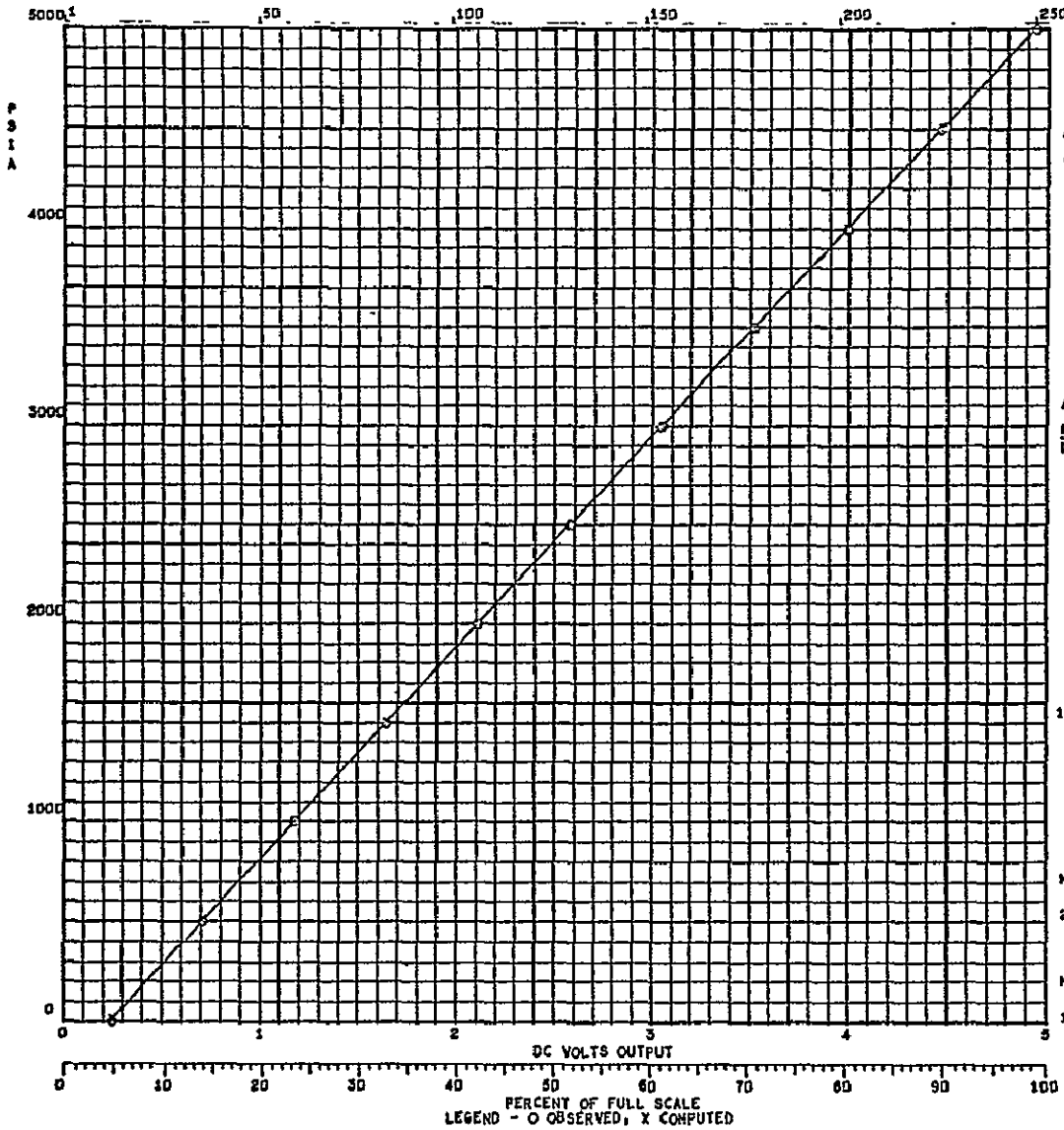
CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C
1	-2 127	37	1.953	73	6.400	109	11.459	145	17.414	181	24 465	217	32.941
2	-2 016	38	2.070	74	6 531	110	11.622	146	17.594	182	24.701	218	33.198
3	-1.905	39	2.189	75	6 663	111	11.774	147	17 775	183	24.918	219	33.456
4	-1.795	40	2.305	76	6.795	112	11.928	148	17.957	184	25.135	220	33.716
5	-1.684	41	2.424	77	6.928	113	12.082	149	18 139	185	25 353	221	33.977
6	-1.573	42	2.543	78	7 061	114	12.237	150	18.323	186	25 572	222	34.239
7	-1.462	43	2.661	79	7.195	115	12 393	151	18 507	187	25.795	223	34.502
8	-1.350	44	2 781	80	7.329	116	12 549	152	18 695	188	26.014	224	34.767
9	-1 239	45	2 900	81	7.464	117	12.706	153	18.879	189	26 237	225	35.033
10	-1.128	46	3.020	82	7 599	118	12.864	154	19 066	190	26.461	226	35.300
11	-1.016	47	3.140	83	7.735	119	13.022	155	19 254	191	26.685	227	35.569
12	-0.904	48	3 261	84	7.871	120	13.181	156	19.443	192	26.912	228	35.839
13	-0.792	49	3 382	85	8.008	121	13.341	157	19.633	193	27.139	229	36.110
14	-0.680	50	3 503	86	8.146	122	13.502	158	19 824	194	27.367	230	36.383
15	-0.568	51	3.624	87	8.284	123	13.663	159	20.015	195	27.595	231	36 657
16	+0.456	52	3 746	88	8.422	124	13 825	160	20.209	196	27.827	232	36.932
17	-0.345	53	3 869	89	8.561	125	13.988	161	20.403	197	28 058	233	37.208
18	-0.230	54	3.991	90	8.701	126	14.152	162	20.598	198	28.291	234	37.486
19	+0.117	55	4.114	91	8.841	127	14 315	163	20.795	199	28 525	235	37.766
20	-0.004	56	4.238	92	8.982	128	14.482	164	20.990	200	28 760	236	38.048
21	0.109	57	4.362	93	9.123	129	14.648	165	21.188	201	28.997	237	38.328
22	0.225	58	4.485	94	9.265	130	14.814	166	21.385	202	29.234	238	38 612
23	0.335	59	4.611	95	9.408	131	14 982	167	21.585	203	29.473	239	38.895
24	0.450	60	4 736	96	9.551	132	15.150	168	21.785	204	29.715	240	39 183
25	0.564	61	4.861	97	9.695	133	15.319	169	21.988	205	29.954	241	39 470
26	0.679	62	4.987	98	9 839	134	15.489	170	22.190	206	30.195	242	39.759
27	0.795	63	5.113	99	9 984	135	15 660	171	22.394	207	30 439	243	40.049
28	0.908	64	5.240	100	10.130	136	15.832	172	22.599	208	30.684	244	40 341
29	1.023	65	5 367	101	10.276	137	16.004	173	22 804	209	30 930	245	40 634
30	1.138	66	5.495	102	10.423	138	16.177	174	23 011	210	31.177	246	40.929
31	1.254	67	5.623	103	10.571	139	16.351	175	23.219	211	31.425	247	41 225
32	1.370	68	5 751	104	10.719	140	16.525	176	23 427	212	31 675	248	41.522
33	1.485	69	5.880	105	10.868	141	16 702	177	23.637	213	31.925	249	41.821
34	1.602	70	6.009	106	11.017	142	16 879	178	23.848	214	32 178	250	42.121
35	1.719	71	6.139	107	11 167	143	17.056	179	24.060	215	32 431	251	42.423
36	1.833	72	6.269	108	11 318	144	17.235	180	24 273	216	32.685		

09/27/71
1 INSTALLATION DATE JUNE 11,1961
PAN CAMERA N2 TANK PRESS
CAL RANGE 0 TO 5000.00

SC-113

HARDWARE CALIB. NO. 78241 01 00 00
SERIAL NO. 103D8603242A

=21513



EQUATION COEFFICIENTS

A_0= -2.494 E 02
A_1= 1.065 E 03

AL DEV= 4.9104
$\frac{MX\ DEV}{RANGE}$ = .00098

0% = -2.494E 02
20% = 6.152E 02
40% = 1.880E 03
50% = 2.412E 03
60% = 2.944E 03
80% = 4.009E 03
100% = 5.073E 03

MEASUREMENT NO.
200SL1043P01

MEAS LOADING NO.
1101124 12

8 033 Change 2

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

PAN CAMERA N2 TANK PRESS

MEASUREMENT NO. ZOOSL1043P01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103086032424
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1	-249.376	38	529.059	75	1307.493	112	2085.927	149	2864.362	186	3642.796	223	4421.231
2	-228.337	39	550.097	76	1328.532	113	2106.966	150	2885.401	187	3663.835	224	4442.270
3	-207.298	40	571.136	77	1349.571	114	2128.005	151	2906.439	188	3684.874	225	4463.309
4	-186.259	41	592.175	78	1370.609	115	2149 044	152	2927.478	189	3705.913	226	4484.348
5	-165.221	42	613.214	79	1391 648	116	2170 083	153	2948.517	190	3726.951	227	4505.386
6	-144.182	43	634.253	80	1412.687	117	2191.121	154	2969.556	191	3747.990	228	4526.425
7	-123.143	44	655 291	81	1433.726	118	2212.160	155	2990.594	192	3769.029	229	4547.464
8	-102.104	45	676.330	82	1454.764	119	2233.199	156	3011.633	193	3790.068	230	4568.503
9	-81.066	46	697.369	83	1475.803	120	2254.238	157	3032.672	194	3811.106	231	4589.542
10	-60.027	47	718.408	84	1496.842	121	2275 276	158	3053.711	195	3832.145	232	4610.580
11	-38.988	48	739.446	85	1517.881	122	2296 315	159	3074.750	196	3853.184	233	4631.619
12	-17.949	49	760.485	86	1538.920	123	2317.354	160	3095.788	197	3874.223	234	4652.658
13	3.089	50	781.524	87	1559.958	124	2338.393	161	3116.827	198	3895.261	235	4673.697
14	24.128	51	802.563	88	1580.997	125	2359.431	162	3137.866	199	3916.300	236	4694.736
15	45.167	52	823.601	89	1602.036	126	2380 470	163	3158.905	200	3937.339	237	4715.774
16	66.206	53	844.640	90	1623 075	127	2401.509	164	3179.943	201	3958.378	238	4736.813
17	87.245	54	865.679	91	1644.113	128	2422.548	165	3200.982	202	3979.417	239	4757.852
18	108.283	55	886.718	92	1665.152	129	2443.587	166	3222.021	203	4000.455	240	4778 891
19	129.322	56	907.756	93	1686.191	130	2464.625	167	3243.060	204	4021.494	241	4799.930
20	150.361	57	928.795	94	1707.230	131	2485.664	168	3264 098	205	4042.533	242	4820.968
21	171.400	58	949.834	95	1728.268	132	2506.703	169	3285.137	206	4063.572	243	4842.007
22	192.438	59	,970 873	96	1749.307	133	2527.742	170	3306.176	207	4084.610	244	4863.046
23	213.477	60	991.912	97	1770.346	134	2548.780	171	3327.215	208	4105.649	245	4884.085
24	234.516	61	1012.950	98	1791.385	135	2569.819	172	3348.253	209	4126.688	246	4905.124
25	255.555	62	1033.989	99	1812.423	136	2590.858	173	3369.292	210	4147.727	247	4926 162
26	276.593	63	1055.028	100	1833 462	137	2611 897	174	3390 331	211	4168.766	248	4947.201
27	297.632	64	1076.067	101	1854.501	138	2632.935	175	3411.370	212	4189.804	249	4968.240
28	318.671	65	1097.105	102	1875.540	139	2653.974	176	3432.409	213	4210.843	250	4989.279
29	339.710	66	1118.144	103	1896.579	140	2675.013	177	3453.447	214	4231.882	251	5010 318
30	360.749	67	1139.183	104	1917 617	141	2696.052	178	3474.486	215	4252.921	252	5031.356
31	381.787	68	1160.222	105	1938 656	142	2717.090	179	3495.525	216	4273.960	253	5052.395
32	402.826	69	1181.260	106	1959.695	143	2738.129	180	3516.564	217	4294.998	254	5073.434
33	423.865	70	1202.299	107	1980.734	144	2759.168	181	3537.602	218	4316.037		
34	444.904	71	1223.338	108	2001.772	145	2780 207	182	3558.641	219	4337.076		
35	465.942	72	1244.377	109	2022.811	146	2801.246	183	3579.680	220	4358.115		
36	486.981	73	1265.416	110	2043 850	147	2822.284	184	3600.719	221	4379 154		
37	508.020	74	1286.454	111	2064.889	148	2843.323	185	3621.757	222	4400.192		

Charge_2

03/07/72

INSTALLATION DATE DEC. 17.1971

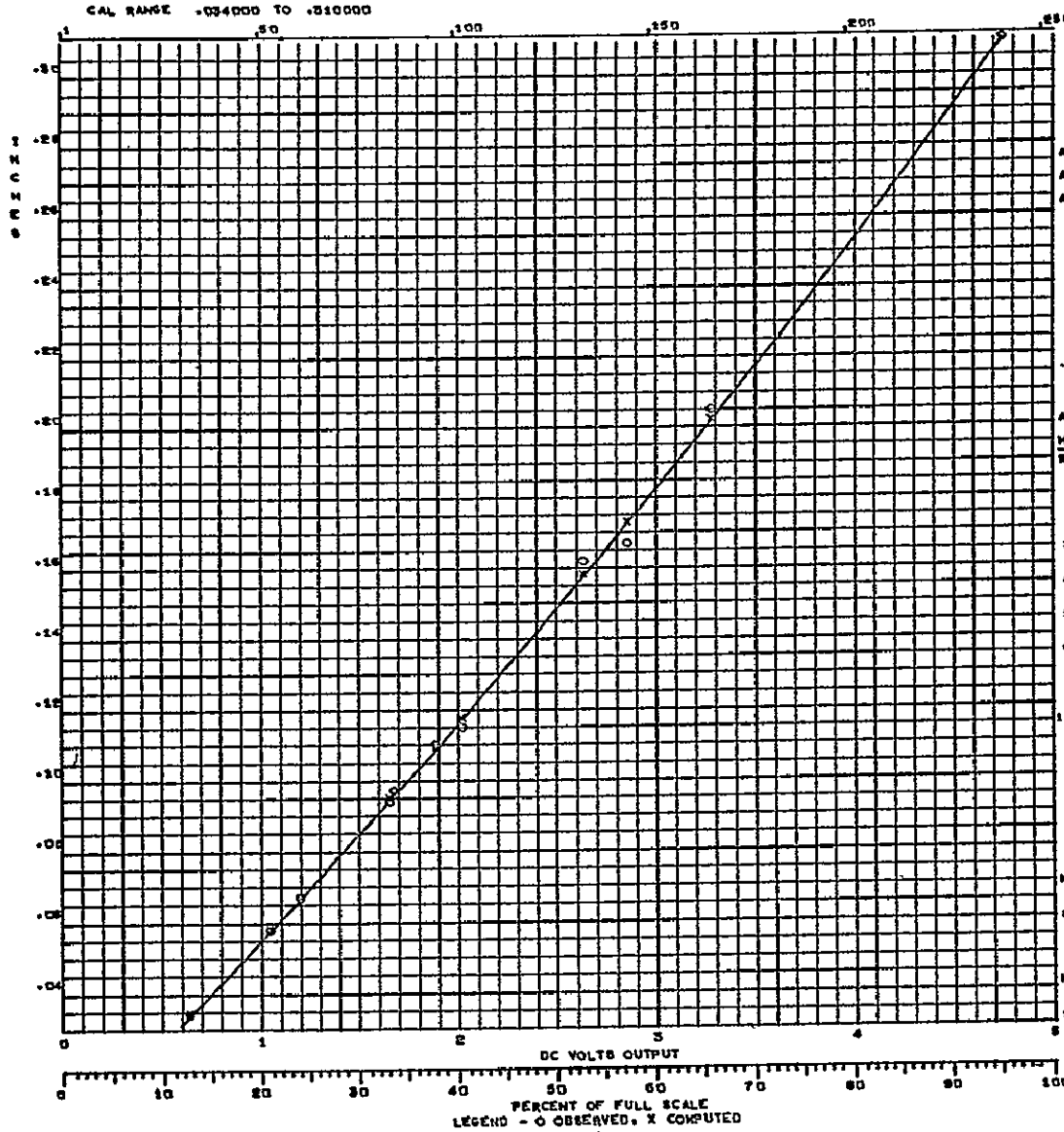
PAN CAMERA SLIT WIDTH STEREO

CAL RANGE .034000 TO .510000

SC-113

HARDWARE CALIB. NO. SERIAL NO.

003



EQUATION COEFFICIENTS

A_0= -1.430 E-03

A_1= 5.381 E-02

A_2= 2.491 E-03

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = 1.783D

0% = -1.430E-03

20% = 5.467E-02

40% = 1.192E-01

50% = 1.487E-01

60% = 1.824E-01

80% = 2.537E-01

100% = 3.299E-01

MEASUREMENT NO.

8008L1044H1E

MEAS LOADING NO.

1107033 16

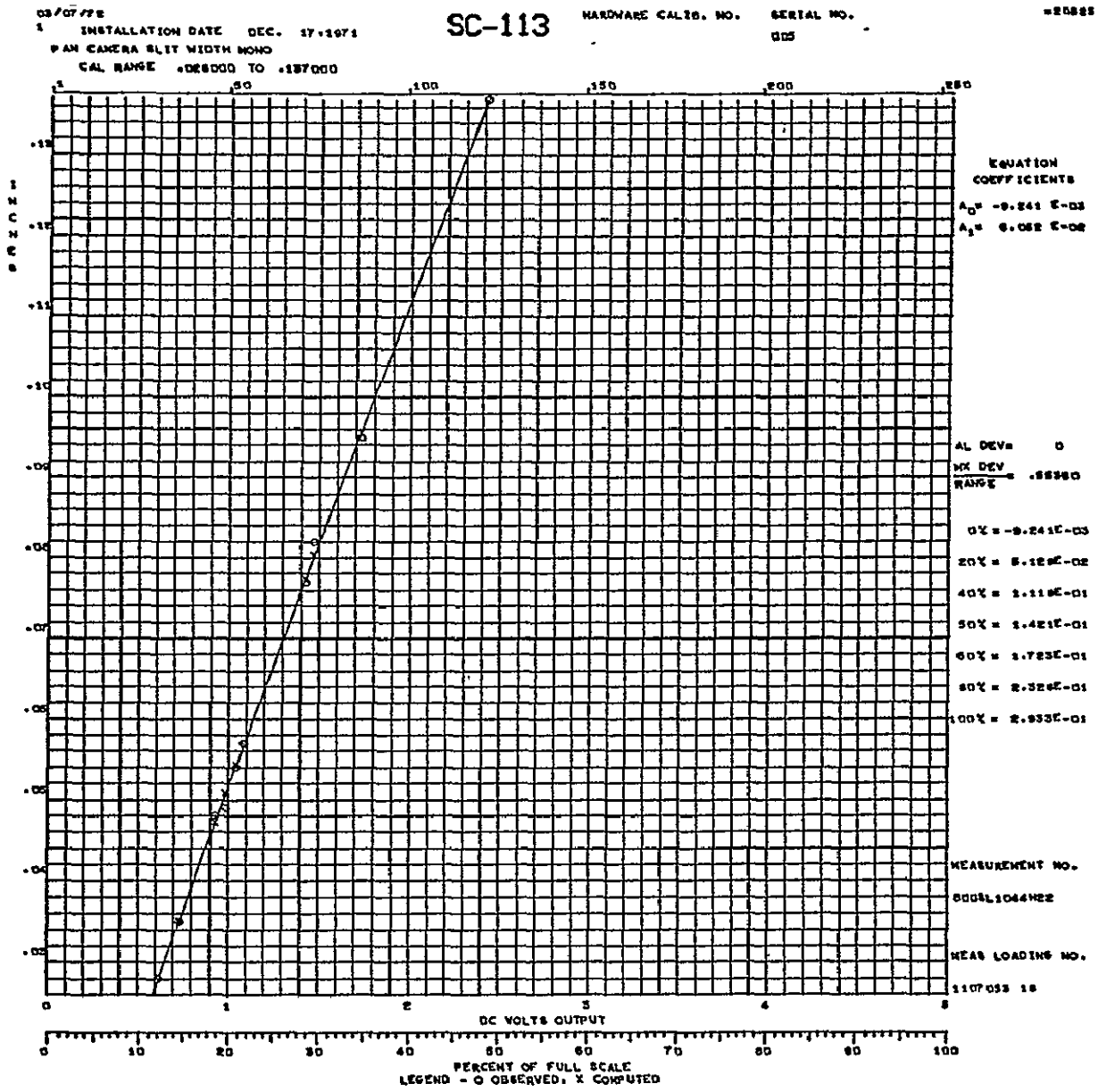
8 035 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA SLIT WIDTH STEREO

MEASUREMENT NO. 0035L1014H12
VEHICLE SC-113 CSF
TRANSDUCER SERIAL NO 006
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 12/17/71

CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES
1	-0 001	37	0 039	73	0.001	109	0 125	145	0.174	181	0 225	217	0 278
2	-0 000	38	0 040	74	0.002	110	0 126	146	0 176	182	0 226	218	0 279
3	0 001	39	0 041	75	0.004	111	0 129	147	0 177	183	0 227	219	0 281
4	0.002	40	0 042	76	0.005	112	0 130	148	0 178	184	0 229	220	0 282
5	0.003	41	0 043	77	0.005	113	0.132	149	0.180	185	0 230	221	0.284
6	0 004	42	0 044	78	0.007	114	0 133	150	0 181	186	0 232	222	0 285
7	0 005	43	0 045	79	0.009	115	0 134	151	0 182	187	0 233	223	0 287
8	0 005	44	0 047	80	0.010	116	0 136	152	0.184	188	0 235	224	0 288
9	0.007	45	0 048	81	0.011	117	0 137	153	0.185	189	0 236	225	0 290
10	0.008	46	0 049	82	0.012	118	0 138	154	0.187	190	0 238	226	0 291
11	0.009	47	0 050	83	0.014	119	0 139	155	0.188	191	0 239	227	0 293
12	0.011	48	0.051	84	0.015	120	0 141	156	0.189	192	0 240	228	0 294
13	0.012	49	0.053	85	0.016	121	0.142	157	0.191	193	0.242	229	0.296
14	0 013	50	0.054	86	0.017	122	0.143	158	0.192	194	0.243	230	0.297
15	0.014	51	0.055	87	0.018	123	0.145	159	0.193	195	0 245	231	0.299
16	0 015	52	0.056	88	0.100	124	0.146	160	0.195	196	0 246	232	0.300
17	0.016	53	0 057	89	0.101	125	0 147	161	0.196	197	0.248	233	0.302
18	0.017	54	0.058	90	0.102	126	0.149	162	0.198	198	0.249	234	0 303
19	0.018	55	0 060	91	0.103	127	0.150	163	0.199	199	0.251	235	0.305
20	0.019	56	0.061	92	0.105	128	0.151	164	0.200	200	0 252	236	0.306
21	0.020	57	0.062	93	0.106	129	0.153	165	0.202	201	0.254	237	0.308
22	0.022	58	0.063	94	0.107	130	0.154	166	0.203	202	0 255	238	0.310
23	0.023	59	0 064	95	0.109	131	0.155	167	0 205	203	0 257	239	0.311
24	0.024	60	0.066	96	0.110	132	0.157	168	0.206	204	0 258	240	0.313
25	0.025	61	0.067	97	0.111	133	0.158	169	0.207	205	0 260	241	0 314
26	0.026	62	0.068	98	0.112	134	0.159	170	0.209	206	0.261	242	0.316
27	0.027	63	0.069	99	0.114	135	0.161	171	0.210	207	0.263	243	0 317
28	0.028	64	0.070	100	0.115	136	0.162	172	0.212	208	0.264	244	0 319
29	0.029	65	0 072	101	0.116	137	0.163	173	0.213	209	0.266	245	0 320
30	0.031	66	0 073	102	0.117	138	0.165	174	0.215	210	0.267	246	0.322
31	0.032	67	0.074	103	0.119	139	0.166	175	0.216	211	0.269	247	0.324
32	0 033	68	0.075	104	0.120	140	0.167	176	0 217	212	0.270	248	0 325
33	0.034	69	0 076	105	0.121	141	0.169	177	0 219	213	0.272	249	0 327
34	0.035	70	0 078	106	0.123	142	0.170	178	0.220	214	0 273	250	0 328
35	0.036	71	0 079	107	0.124	143	0.171	179	0 222	215	0 275	251	0.330
36	0.037	72	0 080	108	0.125	144	0.173	180	0.223	216	0 276		



8 037 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

PAN CAMERA SLIT WIDTH MONO

MEASUREMENT NO. 6005L1044H22
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 005
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 12/17/71

CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES	CNT	INCHES
1	-0 009	37	0 034	73	0.070	109	0 121	145	0 165	181	0.209	217	0 252
2	-0.006	38	0 035	74	0.079	110	0 123	146	0 166	182	0 210	218	0 253
3	-0.007	39	0 037	75	0.000	111	0 124	147	0 167	183	0.211	219	0 255
4	-0.005	40	0 038	76	0.032	112	0.125	148	0.169	184	0.212	220	0.256
5	-0.004	41	0.039	77	0.033	113	0.126	149	0.170	185	0.213	221	0 257
6	-0 003	42	0.040	78	0.034	114	0 128	150	0.171	186	0.215	222	0.258
7	-0.002	43	0.042	79	0.035	115	0.129	151	0.172	187	0 215	223	0.259
8	-0.001	44	0 043	80	0.055	116	0.130	152	0.174	188	0.217	224	0.261
9	0.000	45	0.044	81	0.038	117	0.131	153	0.175	189	0.218	225	0.262
10	0.002	46	0.045	82	0.039	118	0 132	154	0.176	190	0 220	226	0.263
11	0.003	47	0.046	83	0.090	119	0.134	155	0 177	191	0.221	227	0 264
12	0.004	48	0.048	84	0.091	120	0.135	156	0 178	192	0 222	228	0 266
13	0 005	49	0.049	85	0.092	121	0.136	157	0.180	193	0 223	229	0 267
14	0.005	50	0.050	86	0.094	122	0.137	158	0.181	194	0.224	230	0 268
15	0.009	51	0.051	87	0.095	123	0.138	159	0.182	195	0.225	231	0.269
16	0.009	52	0.052	88	0.095	124	0.140	160	0 183	196	0.227	232	0.270
17	0.010	53	0.054	89	0.097	125	0.141	161	0.184	197	0.228	233	0.272
18	0.011	54	0 055	90	0.098	126	0.142	162	0 185	198	0.229	234	0.273
19	0.013	55	0.056	91	0.100	127	0.143	163	0 187	199	0.230	235	0 274
20	0.014	56	0.057	92	0.101	128	0.144	164	0.188	200	0.232	236	0.275
21	0.015	57	0.059	93	0.102	129	0.146	165	0 189	201	0.233	237	0 276
22	0.016	58	0.060	94	0.103	130	0.147	166	0.190	202	0.234	238	0 278
23	0.017	59	0 061	95	0.105	131	0.148	167	0.192	203	0.235	239	0.279
24	0.019	60	0.062	96	0.105	132	0.149	168	0 193	204	0.236	240	0.280
25	0.020	61	0 063	97	0.107	133	0.151	169	0.194	205	0 238	241	0.281
26	0.021	62	0.065	98	0.108	134	0.152	170	0.195	206	0.239	242	0 283
27	0.022	63	0.066	99	0.109	135	0.153	171	0.197	207	0 240	243	0 284
28	0.023	64	0 067	100	0.111	136	0.154	172	0.198	208	0.241	244	0 285
29	0.025	65	0 068	101	0.112	137	0.155	173	0.199	209	0 243	245	0.285
30	0.025	66	0.069	102	0.113	138	0.157	174	0 200	210	0 244	246	0 287
31	0.027	67	0.071	103	0.114	139	0.158	175	0.201	211	0 245	247	0.289
32	0.028	68	0.072	104	0.115	140	0.159	176	0 203	212	0.246	248	0.290
33	0.029	69	0 073	105	0.117	141	0.160	177	0.204	213	0 247	249	0 291
34	0.031	70	0.074	106	0.118	142	0.161	178	0 205	214	0.249	250	0.292
35	0.032	71	0 075	107	0.119	143	0.163	179	0 205	215	0 250	251	0.293
36	0.033	72	0.077	108	0.120	144	0.164	180	0.207	216	0 251		

08/07/72

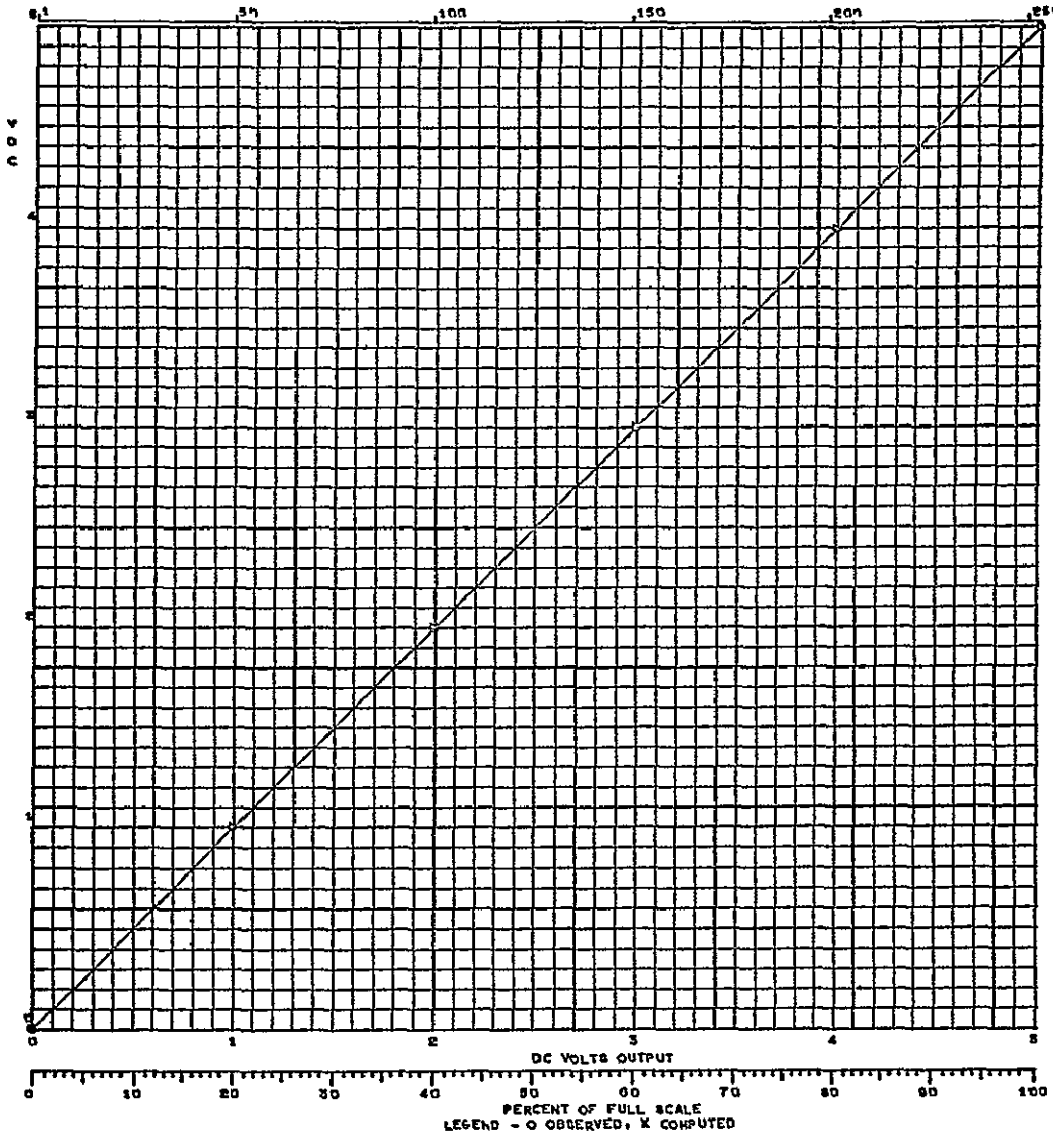
1 INSTALLATION DATE NOV. 4:1971

X-RAY LYPS SUMMED MON

CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. SERIAL NO. FLTS-7409



EQUATION COEFFICIENTS

A_0= +1.385 E-19

A_1= 1.000 E 00

AL DEV= 0

MX DEV / RANGE = .00000

0% = -1.385E-19

20% = 1.000E 00

40% = 2.000E 00

50% = 2.500E 00

60% = 3.000E 00

80% = 4.000E 00

100% = 5.000E 00

MEASUREMENT NO.

8008L1051V01

MEAS LOADING NO.

1080072 16

Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

X-RAY LVPS SUMMED MON

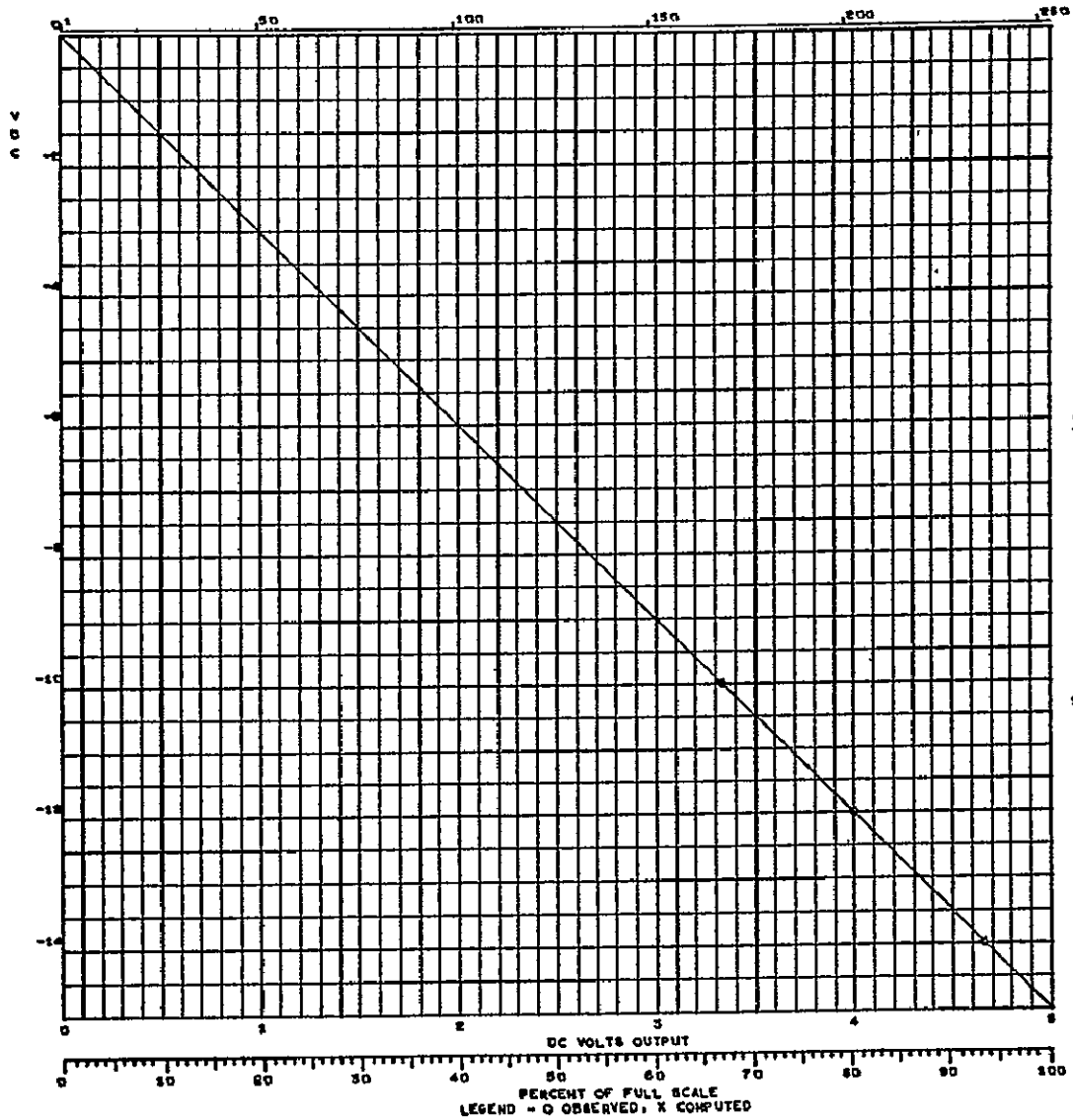
MEASUREMENT NO. 000SL1051V01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO FLT2-7499
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0 000	37	0.720	73	1.440	109	2 150	145	2.880	181	3.600	217	4.320
2	0.020	38	0 740	74	1.460	110	2 180	146	2.900	182	3.620	218	4.340
3	0.040	39	0 760	75	1.480	111	2 200	147	2.920	183	3 640	219	4.360
4	0.060	40	0 780	76	1.500	112	2 220	148	2.940	184	3 660	220	4.380
5	0 080	41	0.800	77	1.520	113	2 240	149	2.950	185	3 680	221	4 400
6	0.100	42	0 820	78	1.540	114	2 250	150	2.980	186	3.700	222	4.420
7	0.120	43	0.840	79	1.560	115	2 280	151	3.000	187	3 720	223	4 440
8	0.140	44	0.060	80	1.500	116	2 300	152	3.020	188	3.740	224	4.460
9	0.160	45	0.880	81	1.600	117	2 320	153	3.040	189	3 760	225	4.480
10	0.180	46	0.900	82	1.620	118	2.340	154	3 050	190	3 780	226	4.500
11	0.200	47	0.920	83	1.640	119	2 350	155	3.080	191	3 800	227	4.520
12	0.220	48	0.940	84	1.660	120	2.380	156	3 100	192	3 620	228	4.540
13	0.240	49	0.960	85	1.680	121	2.400	157	3.120	193	3.840	229	4.560
14	0.260	50	0.980	86	1.700	122	2.420	158	3 140	194	3.850	230	4.580
15	0.280	51	1.000	87	1.720	123	2.440	159	3.150	195	3.880	231	4 600
16	0.300	52	1.020	88	1.740	124	2 450	160	3 180	196	3 900	232	4 620
17	0.320	53	1.040	89	1 760	125	2.480	161	3 200	197	3 920	233	4.640
18	0.340	54	1.050	90	1.780	126	2.500	162	3.220	198	3 940	234	4 660
19	0.350	55	1.080	91	1.800	127	2.520	163	3 240	199	3.950	235	4.680
20	0.380	56	1.100	92	1 820	128	2 540	164	3 250	200	3.980	236	4.700
21	0.400	57	1.120	93	1 840	129	2 560	165	3 280	201	4.000	237	4.720
22	0.420	58	1.140	94	1.850	130	2.580	166	3 300	202	4.020	238	4.740
23	0.440	59	1.160	95	1 800	131	2 600	167	3 320	203	4.040	239	4.760
24	0.460	60	1.180	96	1 900	132	2.620	168	3 340	204	4.050	240	4.780
25	0.480	61	1.200	97	1 920	133	2 640	169	3.350	205	4.080	241	4.800
26	0 500	62	1 220	98	1.940	134	2.660	170	3.380	206	4.100	242	4.820
27	0.520	63	1.240	99	1.960	135	2 680	171	3.400	207	4.120	243	4.840
28	0.540	64	1 250	100	1.980	136	2.700	172	3.420	208	4.140	244	4.860
29	0 560	65	1 280	101	2.000	137	2.720	173	3.440	209	4.150	245	4.880
30	0.580	66	1.300	102	2.020	138	2 740	174	3.450	210	4.180	246	4.900
31	0.600	67	1 320	103	2.040	139	2.760	175	3 480	211	4 200	247	4.920
32	0.620	68	1.340	104	2.050	140	2 780	176	3.500	212	4 220	248	4.940
33	0.640	69	1 360	105	2.080	141	2.800	177	3 520	213	4 240	249	4.960
34	0.660	70	1.380	106	2.100	142	2.820	178	3.540	214	4 250	250	4.980
35	0.680	71	1.400	107	2.120	143	2.840	179	3.560	215	4.280	251	5.000
36	0.700	72	1.420	108	2.140	144	2.860	180	3 580	216	4.300		

ON/OFF/TE
1 INSTALLATION DATE NOV. 4:1971
X-RAY DISC REF VOLT NOM -12V
CAL RANGE -14.0000 TO -10.0000

SC-113

HARDWARE CALIB. NO. SERIAL NO.
FLTE-7489



EQUATION COEFFICIENTS

A_0= 5.981 E-03
A_1= -5.001 E 00

AL DEV= 0
MX DEV / RANGE = .01999

0%= 5.981E-03
20%= -2.995E 00
40%= -5.986E 00
50%= -7.496E 00
60%= -8.986E 00
80%= -1.200E 01
100%= -1.500E 01

MEASUREMENT NO.
8005L1053V01

MEAS LOADING NO.
1020071 18

8 041 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

X-RAY DISC REF VOLT MON -12V

MEASUREMENT NO. 6005L1055V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. FL12-7409
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 11/04/71

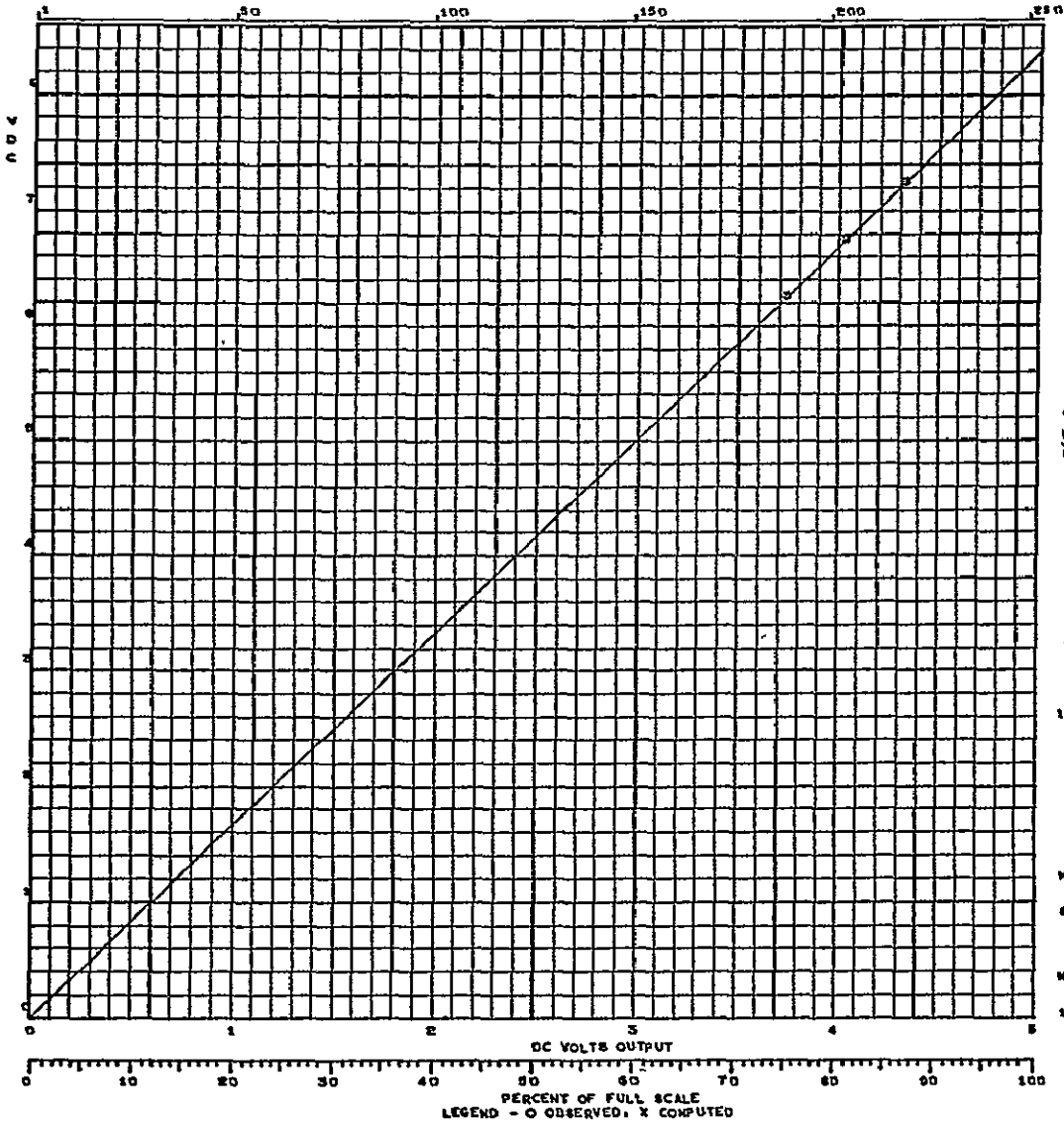
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.005	37	-2 155	73	-4.315	109	-6.476	145	-8 635	181	-10 797	217	-12.957
2	-0.054	38	-2.215	74	-4 375	110	-6.536	146	-8 695	182	-10 057	218	-13.017
3	-0.114	39	-2 275	75	-4 435	111	-6.596	147	-8 756	183	-10.917	219	-13 077
4	-0.174	40	-2.335	76	-4.495	112	-6 656	148	-8 816	184	-10 977	220	-13.137
5	-0 234	41	-2.396	77	-4 555	113	-6 716	149	-8.076	185	-11 037	221	-13.197
6	-0.294	42	-2.455	78	-4.615	114	-6.776	150	-8.935	186	-11 097	222	-13.257
7	-0.354	43	-2 515	79	-4.675	115	-6.836	151	-8.995	187	-11 157	223	-13.317
8	-0.414	44	-2 575	80	-4.735	116	-6 896	152	-9 056	188	-11.217	224	-13 377
9	-0.474	45	-2 635	81	-4.756	117	-6 956	153	-9 116	189	-11 277	225	-13.437
10	-0.534	46	-2 696	82	-4.055	118	-7 016	154	-9 176	190	-11.337	226	-13.497
11	-0.594	47	-2 755	83	-4.915	119	-7.076	155	-9 236	191	-11.397	227	-13 557
12	-0.654	48	-2 815	84	-4.975	120	-7.136	156	-9 295	192	-11.457	228	-13 617
13	-0 714	49	-2 875	85	-5.035	121	-7.196	157	-9 356	193	-11.517	229	-13 677
14	-0.774	50	-2.935	86	-5.095	122	-7.256	158	-9.415	194	-11 577	230	-13.737
15	-0.834	51	-2.995	87	-5.155	123	-7.316	159	-9 476	195	-11 637	231	-13.797
16	-0.894	52	-3 055	88	-5 215	124	-7.376	160	-9 536	196	-11 697	232	-13 857
17	-0.954	53	-3.115	89	-5.275	125	-7.435	161	-9.595	197	-11.757	233	-13 917
18	-1.014	54	-3.175	90	-5 335	126	-7.496	162	-9 656	198	-11.817	234	-13.977
19	-1.074	55	-3 235	91	-5 395	127	-7.555	163	-9 715	199	-11.877	235	-14 038
20	-1.134	56	-3.295	92	-5 455	128	-7 616	164	-9 776	200	-11.937	236	-14.098
21	-1.194	57	-3.355	93	-5 515	129	-7.676	165	-9 835	201	-11.997	237	-14.158
22	-1.254	58	-3.415	94	-5 575	130	-7.736	166	-9 636	202	-12 057	238	-14.218
23	-1.314	59	-3.475	95	-5.635	131	-7.795	167	-9 956	203	-12.117	239	-14.278
24	-1.374	60	-3.535	96	-5.695	132	-7.856	168	-10 017	204	-12.177	240	-14.338
25	-1.434	61	-3.595	97	-5.755	133	-7.916	169	-10 077	205	-12 237	241	-14.398
26	-1.494	62	-3.655	98	-5.815	134	-7.976	170	-10 137	206	-12 297	242	-14.458
27	-1.554	63	-3.715	99	-5.875	135	-8.035	171	-10.197	207	-12 357	243	-14.518
28	-1.614	64	-3 775	100	-5.935	136	-8 096	172	-10 257	208	-12 417	244	-14.578
29	-1.674	65	-3 835	101	-5.995	137	-8.156	173	-10 317	209	-12.477	245	-14.638
30	-1.734	66	-3.895	102	-6.056	138	-8.216	174	-10 377	210	-12.537	246	-14 698
31	-1.794	67	-3 955	103	-6.116	139	-8 276	175	-10 437	211	-12 597	247	-14.758
32	-1.854	68	-4 015	104	-6.176	140	-8.335	176	-10.497	212	-12.657	248	-14.818
33	-1.914	69	-4.075	105	-6.236	141	-8.396	177	-10 557	213	-12.717	249	-14.878
34	-1.975	70	-4.135	106	-6 296	142	-8.456	178	-10 617	214	-12 777	250	-14.938
35	-2.035	71	-4.195	107	-6 356	143	-8 516	179	-10 677	215	-12.837	251	-14.998
36	-2.095	72	-4.255	108	-6.416	144	-8 576	180	-10 737	216	-12.897		

8 042 Change 2

08/07/72
1 INSTALLATION DATE NOV. 4,1971
X-RAY 46.75 V AN P/S NON
CAL RANGE 6.25000 TO 7.25000

SC-113

HARDWARE CALIB. NO. SERIAL NO. FLTE-7499



EQUATION COEFFICIENTS

A_0= -4.321 E-03
A_1= 1.678 E 00

AL DEV= 0
MX DEV / RANGE = .00866

0% = -4.321E-03
20% = 1.671E 00
40% = 3.346E 00
50% = 4.143E 00
60% = 5.021E 00
80% = 6.696E 00
100% = 8.371E 00

MEASUREMENT NO.
6008L1054V01

MEAS LOADING NO.
1050071 18

0 043 Change 2

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

X-RAY 46.75 V AN P/S MDN

MEASUREMENT NO. 0005L1054V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO FLT2-7492
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/04/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.004	37	1 202	73	2.403	109	3.614	145	4.820	181	6.025	217	7.232
2	0.029	38	1.235	74	2.441	110	3 647	146	4 853	182	6 059	218	7.265
3	0.053	39	1.259	75	2.475	111	3 681	147	4.887	183	6.093	219	7.299
4	0.086	40	1.302	76	2 508	112	3 714	148	4.920	184	6.126	220	7.332
5	0.130	41	1.336	77	2 542	113	3 748	149	4.954	185	6.160	221	7 366
6	0.163	42	1 369	78	2.575	114	3 781	150	4.987	186	6.193	222	7.399
7	0.197	43	1.403	79	2.609	115	3.815	151	5.021	187	6.227	223	7.433
8	0.230	44	1.436	80	2.642	116	3.848	152	5.054	188	6.260	224	7.466
9	0.264	45	1.470	81	2.676	117	3.882	153	5.088	189	6.294	225	7.500
10	0.297	46	1.503	82	2 709	118	3 915	154	5.121	190	6.327	226	7.533
11	0.331	47	1 537	83	2.743	119	3 949	155	5.155	191	6.361	227	7.567
12	0.364	48	1.570	84	2.776	120	3 982	156	5.188	192	6.394	228	7.600
13	0.398	49	1.604	85	2 810	121	4.016	157	5 222	193	6 428	229	7.634
14	0.431	50	1.637	85	2 843	122	4.049	158	5.255	194	6 461	230	7.667
15	0.465	51	1.671	87	2.877	123	4.083	159	5.289	195	6 495	231	7.701
16	0.498	52	1.704	88	2.910	124	4.116	160	5 322	196	6.528	232	7.734
17	0.532	53	1.738	89	2.944	125	4.150	161	5 356	197	6 562	233	7.768
18	0.565	54	1.771	90	2.977	126	4.183	162	5.389	198	6.595	234	7.801
19	0.599	55	1.805	91	3 011	127	4.217	163	5.423	199	6.629	235	7.835
20	0.632	56	1.838	92	3.044	128	4.250	164	5.456	200	6.662	236	7.868
21	0.666	57	1.872	93	3.078	129	4.284	165	5.490	201	6.696	237	7.902
22	0.699	58	1.905	94	3.111	130	4.317	166	5.523	202	6.729	238	7.935
23	0.733	59	1.939	95	3.145	131	4.351	167	5.557	203	6.763	239	7.969
24	0.766	60	1.972	96	3.178	132	4.384	168	5.590	204	6.796	240	8 002
25	0.800	61	2 006	97	3 212	133	4 418	169	5.624	205	6.830	241	8.036
26	0.833	62	2.039	98	3 245	134	4.451	170	5.657	206	6.863	242	8.069
27	0.867	63	2 073	99	3 279	135	4 485	171	5.691	207	6.897	243	8.103
28	0.900	64	2.106	100	3 312	136	4 518	172	5.724	208	6 930	244	8.136
29	0.934	65	2 140	101	3 346	137	4 552	173	5.758	209	6.964	245	8.170
30	0.967	66	2.173	102	3 379	138	4.585	174	5.791	210	6.997	246	8 205
31	1.001	67	2.207	103	3.413	139	4 619	175	5.825	211	7.031	247	8 237
32	1.034	68	2 240	104	3.446	140	4 652	176	5.858	212	7.064	248	8.270
33	1.068	69	2 274	105	3.480	141	4.686	177	5.892	213	7.098	249	8 304
34	1.101	70	2.307	106	3 513	142	4 719	178	5.925	214	7.131	250	8.337
35	1.135	71	2.341	107	3 547	143	4 753	179	5.959	215	7.165	251	8.371
36	1.168	72	2.374	108	3 580	144	4.786	180	5.992	216	7.198		

03/07/72

INSTALLATION DATE NOV. 4,1971

X-RAY +6. V DIG P/S MON

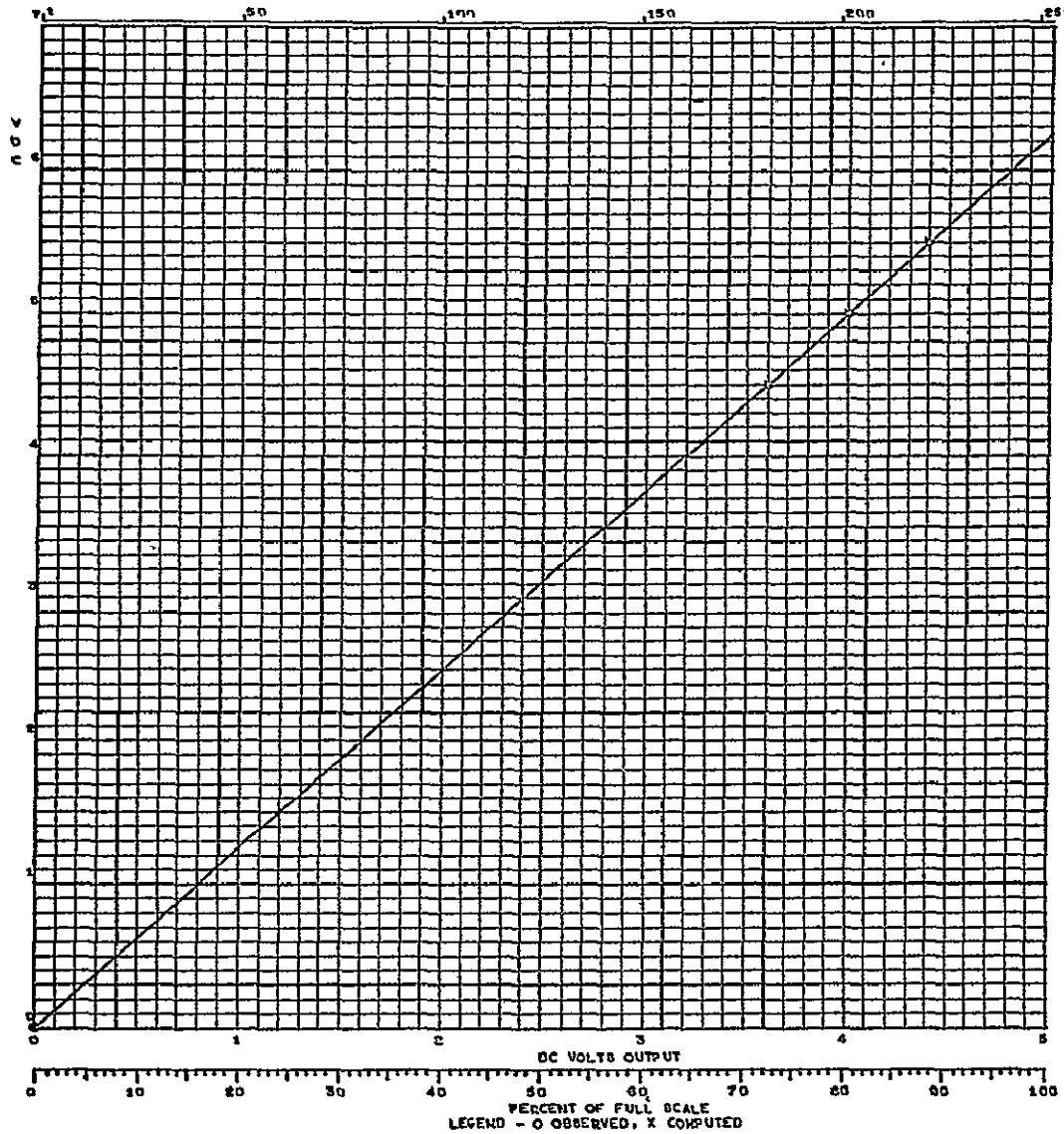
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO.

SERIAL NO.

FLT2-7490



LEGEND - O OBSERVED, X COMPUTED

EQUATION COEFFICIENTS

A_0= 5.018 E-07

A_1= 1.251 E 00

A_2= -5.469 E-04

AL DEV= 0

MX DEV / RANGE = .00088

0% = 5.018E-07

20% = 1.251E 00

40% = 2.500E 00

50% = 3.125E 00

60% = 3.749E 00

80% = 4.998E 00

100% = 6.243E 00

MEASUREMENT NO.

6006L1055V01

MEAS LOADING NO.

1040071 18

8 045

Change 2

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

X-RAY +5. V DIG P/S MON

MEASUREMENT NO. 8005L1055V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO FLT2-7409
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/04/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.000	37	0.901	73	1 801	109	2.700	145	3.599	181	4 497	217	5.395
2	0.025	38	0 925	74	1 825	110	2.725	146	3 624	182	4.522	218	5.420
3	0.050	39	0 951	75	1 851	111	2 750	147	3 649	183	4 547	219	5 445
4	0.075	40	0 976	76	1 876	112	2 775	148	3 674	184	4.572	220	5 470
5	0.100	41	1 001	77	1.901	113	2 800	149	3 699	185	4.597	221	5.495
6	0.125	42	1 025	78	1.925	114	2 825	150	3.724	186	4.622	222	5 520
7	0 150	43	1.051	79	1.951	115	2 850	151	3 749	187	4.647	223	5.545
8	0.175	44	1.076	80	1.976	116	2 875	152	3.774	188	4.672	224	5.570
9	0.200	45	1.101	81	2.001	117	2 900	153	3 799	189	4 697	225	5.595
10	0.225	46	1 125	82	2 025	118	2.925	154	3 824	190	4.722	226	5.620
11	0.250	47	1.151	83	2.051	119	2 950	155	3 849	191	4 747	227	5.645
12	0.275	48	1.176	84	2.076	120	2.975	156	3.874	192	4.772	228	5.669
13	0 300	49	1.201	85	2.101	121	3.000	157	3.899	193	4.797	229	5.694
14	0.325	50	1.226	86	2.125	122	3.025	158	3 924	194	4.822	230	5.719
15	0.350	51	1.251	87	2.151	123	3 050	159	3 949	195	4.847	231	5 744
16	0.375	52	1.276	88	2.176	124	3.075	160	3.973	196	4.872	232	5.769
17	0.400	53	1.301	89	2 201	125	3.100	161	3.998	197	4.897	233	5.794
18	0.425	54	1.325	90	2 225	126	3 125	162	4.023	198	4.922	234	5.819
19	0.450	55	1.351	91	2 251	127	3.150	163	4.048	199	4.946	235	5.844
20	0.475	56	1.376	92	2.275	128	3 175	164	4.073	200	4.971	236	5.869
21	0.500	57	1.401	93	2.300	129	3.200	165	4.098	201	4.996	237	5.894
22	0.525	58	1.425	94	2 325	130	3.225	166	4.123	202	5.021	238	5.919
23	0.550	59	1.451	95	2 350	131	3.250	167	4.148	203	5.046	239	5.944
24	0.575	60	1.476	96	2.375	132	3 275	168	4.173	204	5 071	240	5.969
25	0.600	61	1.501	97	2 400	133	3.300	169	4.198	205	5 096	241	5.993
26	0.625	62	1.526	98	2.425	134	3.324	170	4.223	206	5.121	242	6.018
27	0.651	63	1.551	99	2.450	135	3.349	171	4 248	207	5.146	243	6.043
28	0.676	64	1.576	100	2 475	136	3.374	172	4.273	208	5.171	244	6.068
29	0.701	65	1.601	101	2 500	137	3.399	173	4.298	209	5.195	245	6.093
30	0.726	66	1.626	102	2.525	138	3.424	174	4.323	210	5.221	246	6.118
31	0.751	67	1.651	103	2 550	139	3.449	175	4.348	211	5.246	247	6.143
32	0.776	68	1.676	104	2 575	140	3 474	176	4 373	212	5.271	248	6.168
33	0.801	69	1.701	105	2 600	141	3 499	177	4.398	213	5.296	249	6.193
34	0.826	70	1.726	106	2 625	142	3.524	178	4.423	214	5.320	250	6.218
35	0 851	71	1.751	107	2 650	143	3 549	179	4.448	215	5.345	251	6.243
36	0.876	72	1.776	108	2 675	144	3.574	180	4.473	216	5.370		

08/07/72

INSTALLATION DATE NOV. 4,1971

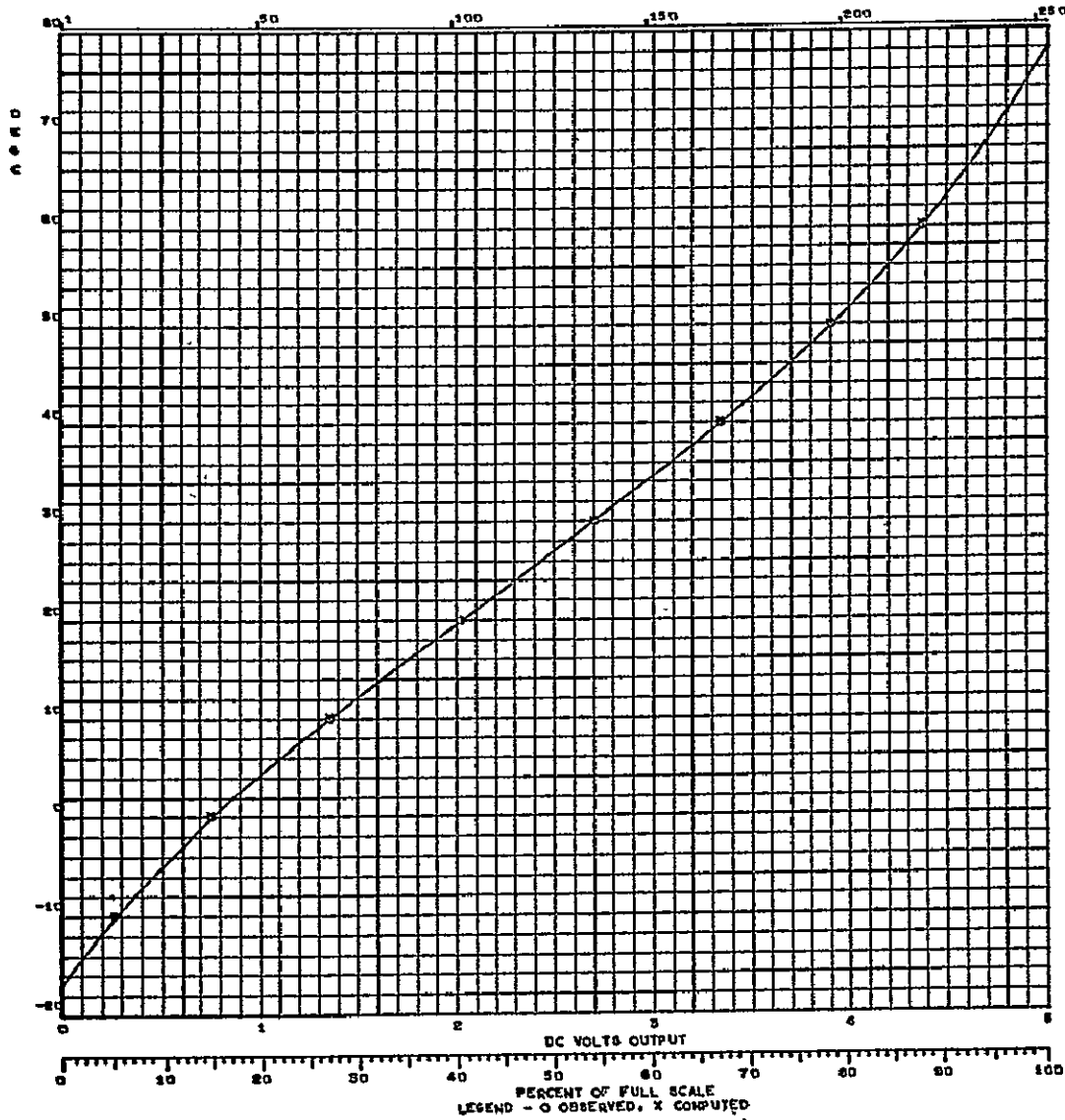
X-RAY PROCESSOR TEMP NON

CAL RANGE -20.0000 TO 60.0000

SC-113

HARDWARE CALIB. NO.

SERIAL NO. FLTR-7400



EQUATION COEFFICIENTS

A_0= -1.680 E 01
A_1= 2.758 E 01
A_2= -2.487 E 00
A_3= 3.453 E 00
A_4= -6.588 E-01
A_5= 5.489 E-02

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = .12674

0°C = -1.680E 01
20°C = 4.274E 00
40°C = 1.859E 01
50°C = 2.803E 01
60°C = 3.447E 01
80°C = 5.171E 01
100°C = 7.011E 01

MEASUREMENT NO.

8005L105ST01

MEAS LOADING NO.

105007I 16

8 047 Change 2

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

X-RAY PROCESSOR TEMP MON

MEASUREMENT NO. 0005L1059T01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO FLT2-7499
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-16.765	37	-0 647	73	11.269	109	21.929	145	32 650	181	44.266	217	56 601
2	-15.246	38	-0.278	74	11.573	110	22.222	146	32 955	182	44.615	218	59.059
3	-15.705	39	0.033	75	11.677	111	22 515	147	33 242	183	44.957	219	59 542
4	-15.158	40	0.451	76	12.180	112	22.808	148	33.549	184	45.321	220	60 019
5	-14.640	41	0.811	77	12 402	113	23 101	149	33 857	185	45 677	221	60 502
6	-14.118	42	1.168	78	12.783	114	23 394	150	34.165	186	46.035	222	60.991
7	-13 604	43	1 523	79	13 081	115	23 687	151	34.474	187	46.395	223	61.485
8	-13.095	44	1 875	80	13 364	116	23 981	152	34.765	188	46.750	224	61.984
9	-12.595	45	2 225	81	13.609	117	24.274	153	35.095	189	47.123	225	62.489
10	-12.100	46	2.572	82	13 992	118	24.568	154	35.407	190	47 490	226	63.000
11	-11.611	47	2 917	83	14 280	119	24 862	155	35.720	191	47.860	227	63 517
12	-11.128	48	3 259	84	14 578	120	25.157	156	36.083	192	48 232	228	64.041
13	-10.651	49	3.600	85	14.875	121	25.451	157	36 348	193	48 607	229	64.570
14	-10.180	50	3.938	86	15.172	122	25.746	158	36 663	194	48.988	230	65.105
15	-9.714	51	4.274	87	15 469	123	26.041	159	36.980	195	49 365	231	65.646
16	-9 254	52	4.608	88	15.765	124	26.336	160	37.297	196	49 749	232	66.19?
17	-8.799	53	4.941	89	16.060	125	26.632	161	37 615	197	50.135	233	66.753
18	-8.350	54	5.271	90	16.355	126	26.928	162	37.935	198	50.524	234	67.315
19	-7.905	55	5.600	91	16.650	127	27.224	163	38.256	199	50.917	235	67.885
20	-7.466	56	5.927	92	16.945	128	27.521	164	38.578	200	51.312	236	68.464
21	-7.031	57	6.252	93	17.239	129	27.818	165	38.901	201	51.711	237	69.048
22	-6.602	58	6.575	94	17.533	130	28.115	166	39 225	202	52 115	238	69.641
23	-6.176	59	6.897	95	17.827	131	28.412	167	39 551	203	52 518	239	70.241
24	-5.756	60	7 218	96	18.121	132	28.711	168	39 878	204	52.927	240	70.849
25	-5.339	61	7.537	97	18.414	133	29 009	169	40 205	205	53 339	241	71.465
26	-4.927	62	7.854	98	18.708	134	29 308	170	40 535	206	53 755	242	72.089
27	-4.520	63	8.170	99	19 001	135	29 607	171	40 867	207	54.175	243	72.722
28	-4.116	64	8.485	100	19 294	136	29.907	172	41 200	208	54 599	244	73.363
29	-3 716	65	8.799	101	19 587	137	30 208	173	41 534	209	55.026	245	74.014
30	-3 320	66	9.112	102	19 880	138	30 508	174	41 869	210	55 458	246	74.673
31	-2.928	67	9.425	103	20.172	139	30 810	175	42 205	211	55.894	247	75.341
32	-2.539	68	9.735	104	20.465	140	31.112	176	42 545	212	56.334	248	76.018
33	-2 154	69	10.042	105	20.758	141	31.414	177	42.885	213	56 778	249	76.705
34	-1.772	70	10.350	106	21.051	142	31.717	178	43.228	214	57.227	250	77.402
35	-1.394	71	10 657	107	21.343	143	32.021	179	43 572	215	57.680	251	78.109
36	-1.019	72	10.954	108	21 635	144	32.325	180	43 918	216	58 138		

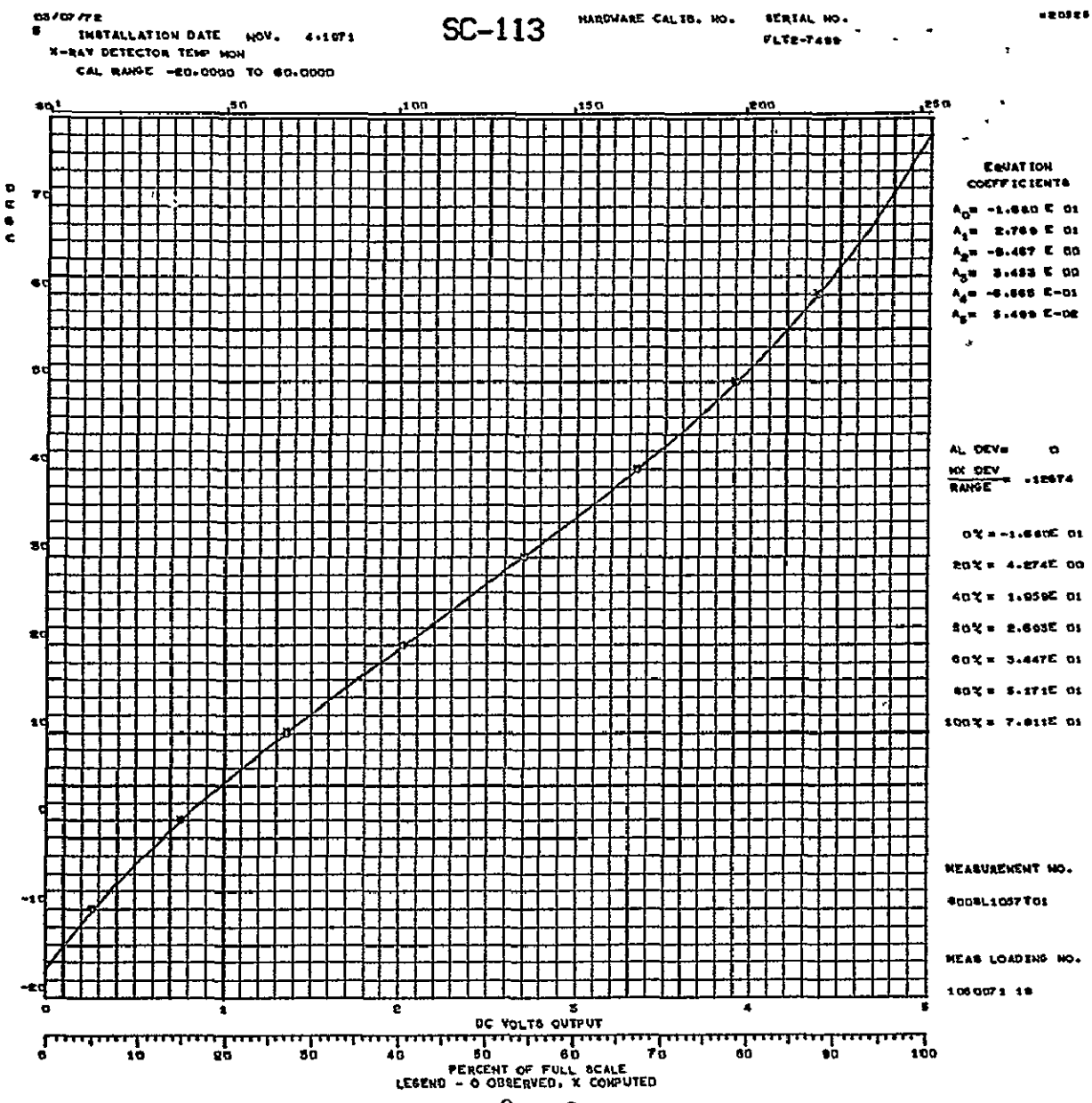
0 048 Change 2

CALIBRATION DATA FOR MEASUREMENT

800SL1056T (DEG F)

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**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

X-RAY DETECTOR TEMP MON

MEASUREMENT NO. 8005L1057101
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. FLT2-7499
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-16.758	37	-0.647	73	11.259	109	21.929	145	32 630	181	44.256	217	56 601
2	-16.246	38	-0 278	74	11 573	110	22.222	146	32.035	182	44.615	218	59.059
3	-15.705	39	0.038	75	11.677	111	22.515	147	33.242	103	44.997	219	59 542
4	-15.358	40	0.451	76	12.100	112	22.803	148	33.519	184	45 321	220	60 019
5	-14.640	41	0.811	77	12.482	113	23.101	149	33.657	185	45.677	221	60 502
6	-14.118	42	1.168	78	12.783	114	23 394	150	34.155	186	46.035	222	60 991
7	-13 601	43	1.523	79	13.004	115	23 687	151	34.474	187	46.395	223	61.465
8	-13.005	44	1 875	80	13.384	116	25 901	152	34.765	188	45 758	224	61.994
9	-12.595	45	2 225	81	13 683	117	24.274	153	35.055	189	47.123	225	62.469
10	-12.100	46	2 572	82	13 982	118	24.568	154	35.407	190	47.490	226	63.000
11	-11.611	47	2 917	83	14.280	119	24.862	155	35 720	191	47.850	227	63 537
12	-11.128	48	3 259	84	14 578	120	25.157	156	36.033	192	48 232	228	64.041
13	-10.651	49	3.600	85	14.875	121	25.451	157	36.348	193	48.607	229	64.570
14	-10.160	50	3.938	86	15.172	122	25.746	158	36 663	194	48.935	230	65.105
15	-9.714	51	4.274	87	15.469	123	26.041	159	36.980	195	49.365	231	65.648
16	-9 254	52	4.608	88	15.765	124	26.336	160	37.297	196	49 749	232	66.197
17	-8.799	53	4.941	89	16.060	125	26 632	161	37.615	197	50.135	233	66.753
18	-8.350	54	5.271	90	16.355	126	26.928	162	37.935	198	50.524	234	67.315
19	-7.905	55	5.600	91	16.650	127	27.224	163	38.256	199	50.917	235	67.885
20	-7.466	56	5.927	92	16 945	128	27.521	164	38.578	200	51.312	236	68.464
21	-7.031	57	6.252	93	17.239	129	27.818	165	38.901	201	51.711	237	69.048
22	-6.602	58	6.575	94	17.533	130	28.115	166	39.225	202	52.113	238	69.641
23	-6.176	59	6.897	95	17.827	131	28.412	167	39.551	203	52.518	239	70.241
24	-5.756	60	7.218	96	18.121	132	28.711	168	39 878	204	52.927	240	70.849
25	-5.339	61	7.537	97	18.414	133	29.009	169	40.205	205	53 339	241	71.465
26	-4.927	62	7.854	98	18.708	134	29 309	170	40.535	206	53 755	242	72 089
27	-4.520	63	8.170	99	19 001	135	29 607	171	40.867	207	54.175	243	72 722
28	-4.115	64	8.485	100	19 294	136	29 907	172	41 200	208	54.599	244	73.363
29	-3.715	65	8.799	101	19.587	137	30.208	173	41.534	209	55.025	245	74.014
30	-3.320	66	9.112	102	19 880	138	30.508	174	41.869	210	55.458	246	74.673
31	-2.928	67	9.423	103	20.172	139	30.810	175	42 205	211	55.894	247	75.341
32	-2.539	68	9.733	104	20.465	140	31.112	176	42.545	212	56.334	248	76.018
33	-2.154	69	10 042	105	20.758	141	31.414	177	42.885	213	56.778	249	76.705
34	-1.772	70	10.350	106	21.051	142	31.717	178	43.228	214	57.227	250	77.402
35	-1.394	71	10.657	107	21.343	143	32.021	179	43 572	215	57.680	251	78.109
36	-1.019	72	10.954	108	21.636	144	32.325	180	43.918	216	58.138		

8 052 Change 2

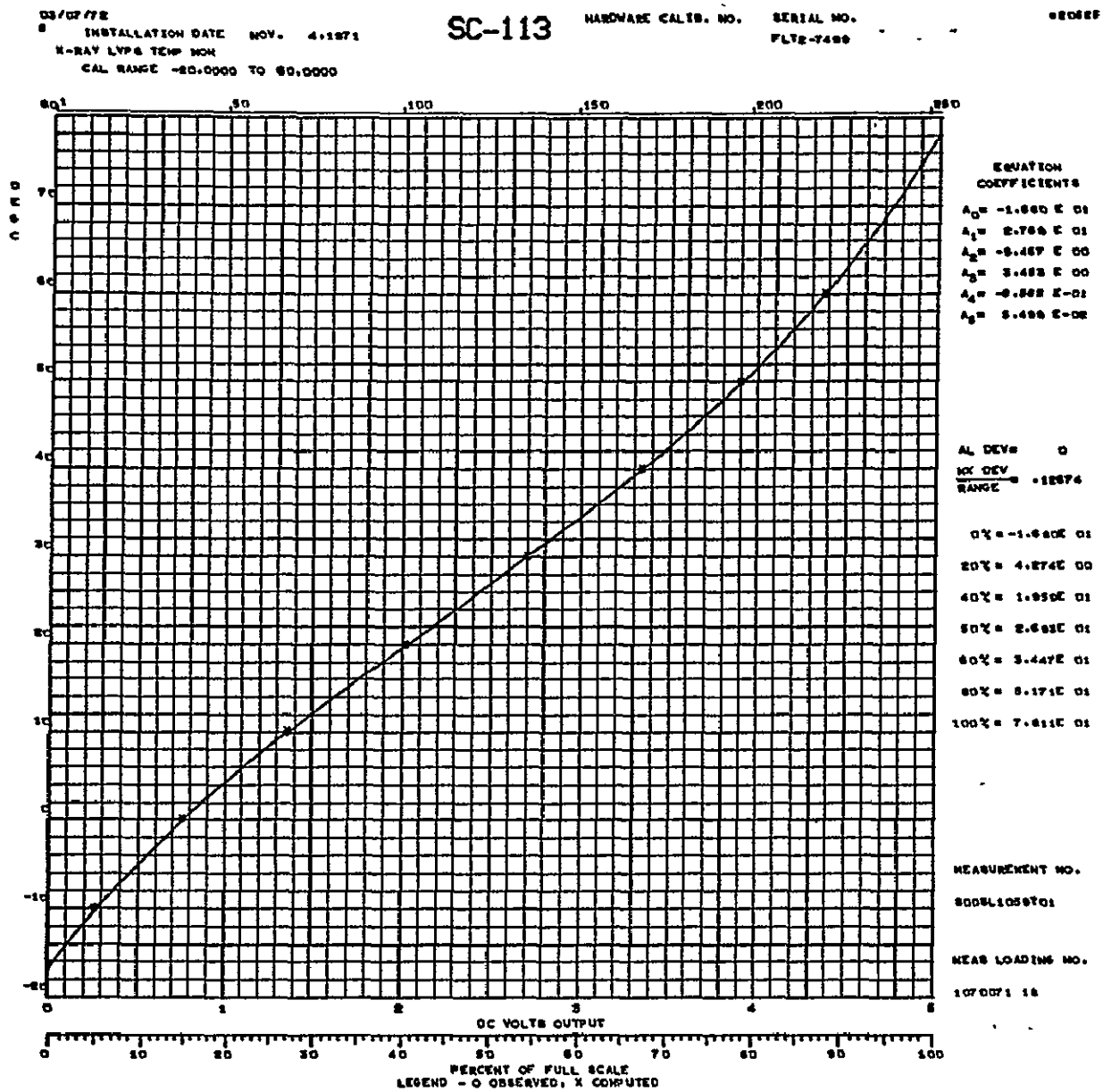
CALIBRATION DATA FOR MEASUREMENT

800SL1057T (DEG F)

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U 053 Charge 2

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**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

X-RAY LVPS TEMP MON

MEASUREMENT NO. 0005L1059T01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO FLT2-7409
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-16.705	37	-0 647	73	11.259	109	21.929	145	32.650	181	44.256	217	58 601
2	-16.246	38	-0 278	74	11.573	110	22.222	146	32.055	182	44.015	218	59.059
3	-15.708	39	0 068	75	11.677	111	22.515	147	33.242	183	44.957	219	59 542
4	-15.258	40	0.451	76	12 160	112	22.808	148	33 549	184	45.321	220	60 019
5	-14.640	41	0 811	77	12.462	113	23.101	149	33.857	185	45.677	221	60 502
6	-14.118	42	1.198	78	12 763	114	23.394	150	34.165	186	46 035	222	60.991
7	-13.604	43	1.523	79	13 084	115	23 687	151	34.474	187	46 395	223	61.465
8	-13 035	44	1.875	80	13 304	116	23 981	152	34.786	188	46.756	224	61 984
9	-12 595	45	2.225	81	13.663	117	24.274	153	35.095	189	47.123	225	62 489
10	-12.100	46	2 572	82	13.962	118	24.568	154	35.407	190	47.490	226	63.000
11	-11.611	47	2 917	83	14 200	119	24 852	155	35.720	191	47.850	227	63.517
12	-11.128	48	3 259	84	14.578	120	25.157	156	36.033	192	48.232	228	64.041
13	-10.651	49	3.600	85	14.875	121	25.451	157	36.348	193	48.607	229	64 570
14	-10.180	50	3.938	86	15.172	122	25 746	158	36.663	194	48.985	230	65.105
15	-9.714	51	4.274	87	15.469	123	26.041	159	36 980	195	49 365	231	65.648
16	-9 254	52	4.608	88	15.765	124	26.336	160	37 297	196	49 749	232	66.197
17	-8.799	53	4.941	89	16.060	125	26.632	161	37.616	197	50.135	233	66.755
18	-8.350	54	5.271	90	16.355	126	26.928	162	37.935	198	50.524	234	67.318
19	-7.905	55	5.600	91	16.650	127	27.224	163	38.256	199	50.917	235	67.885
20	-7.466	56	5.927	92	16.945	128	27.521	164	38.578	200	51.312	236	68 464
21	-7.031	57	6.252	93	17.239	129	27.818	165	38.901	201	51 711	237	69.048
22	-6.602	58	6.575	94	17.533	130	28.115	166	39.225	202	52.113	238	69.641
23	-6.176	59	6.897	95	17.827	131	28.412	167	39 551	203	52.518	239	70.241
24	-5.756	60	7.218	96	18.121	132	28.711	168	39 878	204	52.927	240	70.849
25	-5.339	61	7.537	97	18.414	133	29.009	169	40.205	205	53.339	241	71 465
26	-4.927	62	7.854	98	18.708	134	29 308	170	40.536	206	53.755	242	72.009
27	-4.520	63	8.170	99	19 001	135	29.607	171	40.867	207	54.175	243	72.722
28	-4.135	64	8.485	100	19 294	136	29.907	172	41 200	208	54 599	244	73.365
29	-3.735	65	8.799	101	19 587	137	30 208	173	41 534	209	55.025	245	74.014
30	-3.320	66	9 112	102	19 880	138	30.508	174	41.869	210	55.456	246	74.673
31	-2.928	67	9.423	103	20.172	139	30.810	175	42.205	211	55.894	247	75.341
32	-2.539	68	9 733	104	20.465	140	31.112	176	42.545	212	56.334	248	76.018
33	-2.154	69	10 042	105	20.758	141	31.414	177	42.885	213	56.778	249	76.705
34	-1.772	70	10 350	106	21.051	142	31.717	178	43 228	214	57.227	250	77.402
35	-1.394	71	10 657	107	21.343	143	32.021	179	43 572	215	57.680	251	78.109
36	-1.019	72	10.964	108	21.636	144	32.325	180	43.918	216	58 138		

8 056 Charge 2

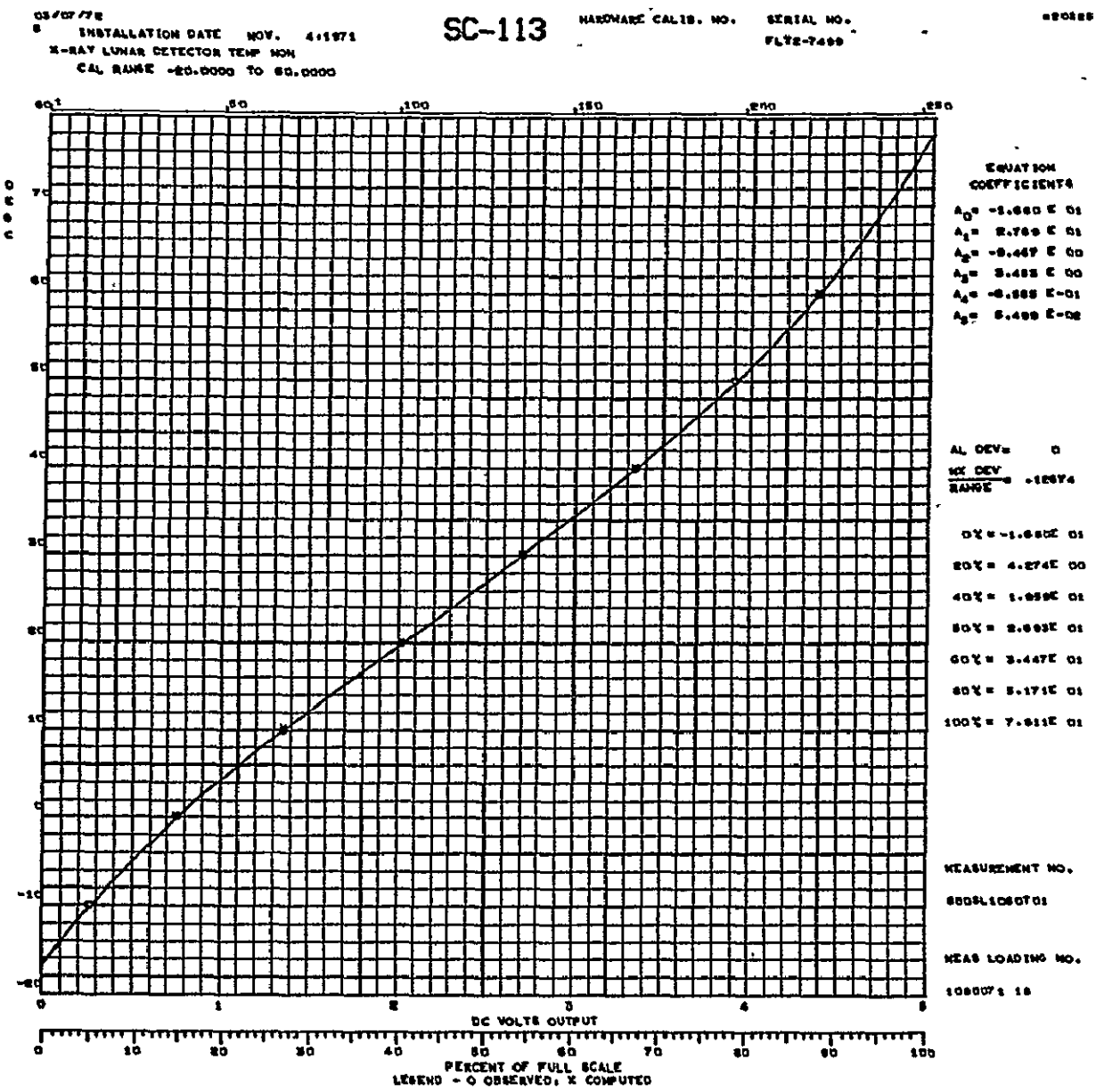
CALIBRATION DATA FOR MEASUREMENT

800SL1059T (DEG F)

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8 057 Change 2

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**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

X-RAY LUNAR DETECTOR TEST MON

MEASUREMENT NO. 8005L1030T01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. FL12-7409
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-16.758	37	-0.647	73	11 259	109	21.929	145	32 630	181	44.256	217	58 601
2	-15 296	38	-0 278	74	11.573	110	22.222	146	32.935	182	44 615	218	59 059
3	-15 708	39	0 088	75	11 677	111	22.515	147	33.242	183	44.957	219	59.542
4	-15.358	40	0 451	76	12.180	112	22.808	148	33.549	184	45.321	220	60 019
5	-14.640	41	0.811	77	12.482	113	23.101	149	33 057	185	45 677	221	60 502
6	-14.118	42	1.168	78	12 785	114	23.394	150	34.155	186	46.035	222	60.901
7	-13.604	43	1.523	79	13 094	115	23 687	151	34.474	187	46.396	223	61.465
8	-13.095	44	1.875	80	13 394	116	23.981	152	34 765	188	46.758	224	61.904
9	-12 595	45	2 225	81	13.683	117	24 274	153	35.055	189	47.123	225	62.489
10	-12.100	46	2.572	82	13.932	118	24.568	154	35.407	190	47.480	226	63.000
11	-11.611	47	2.917	83	14 280	119	24.852	155	35.720	191	47.850	227	63.517
12	-11.128	48	3 259	84	14.578	120	25.157	156	36.033	192	48 232	228	64 041
13	-10.651	49	3.600	85	14.875	121	25.451	157	36.348	193	48 607	229	64 570
14	-10 180	50	3.938	86	15.172	122	25.746	158	36.663	194	48 985	230	65.108
15	-9 714	51	4.274	87	15.469	123	26.041	159	36 980	195	49 365	231	65 648
16	-9 254	52	4.608	88	15 765	124	26.336	160	37 297	196	49.749	232	66.197
17	-8.799	53	4.941	89	16 050	125	26 632	161	37.616	197	50 135	233	66.753
18	-8 350	54	5 271	90	16.355	126	26.928	162	37.935	198	50 524	234	67.316
19	-7.905	55	5.600	91	16.650	127	27.224	163	38.256	199	50.917	235	67.005
20	-7.466	56	5 927	92	16.945	128	27.521	164	38 578	200	51.312	236	68 454
21	-7.031	57	6 252	93	17.239	129	27.818	165	38.901	201	51.711	237	69 048
22	-6.602	58	6 575	94	17.533	130	28.115	166	39 226	202	52.113	238	69 641
23	-6.176	59	6.897	95	17.827	131	28.412	167	39 551	203	52.518	239	70 241
24	-5.756	60	7.218	96	18.121	132	28.711	168	39 878	204	52 927	240	70 849
25	-5.339	61	7.537	97	18.414	133	29 009	169	40.205	205	53.339	241	71.465
26	-4.927	62	7.854	98	18.708	134	29.308	170	40.535	206	53 755	242	72 089
27	-4.520	63	8.170	99	19.001	135	29 607	171	40.057	207	54.175	243	72 722
28	-4.116	64	8.485	100	19.294	136	29 907	172	41.200	208	54.599	244	73 363
29	-3 715	65	8 799	101	19.587	137	30 208	173	41.534	209	55.025	245	74.014
30	-3.320	66	9.112	102	19 880	138	30.508	174	41 869	210	55.458	246	74.673
31	-2.928	67	9.423	103	20.172	139	30 810	175	42 205	211	55.894	247	75.341
32	-2 539	68	9 733	104	20.465	140	31.112	176	42 545	212	56.334	248	76.018
33	-2.154	69	10 042	105	20.758	141	31.414	177	42.885	213	56 778	249	76.705
34	-1.772	70	10 350	106	21.051	142	31.717	178	43.228	214	57.227	250	77 402
35	-1.394	71	10 657	107	21.343	143	32.021	179	43 572	215	57.680	251	78.109
36	-1.019	72	10.964	108	21.636	144	32.325	180	43.918	216	58.138		

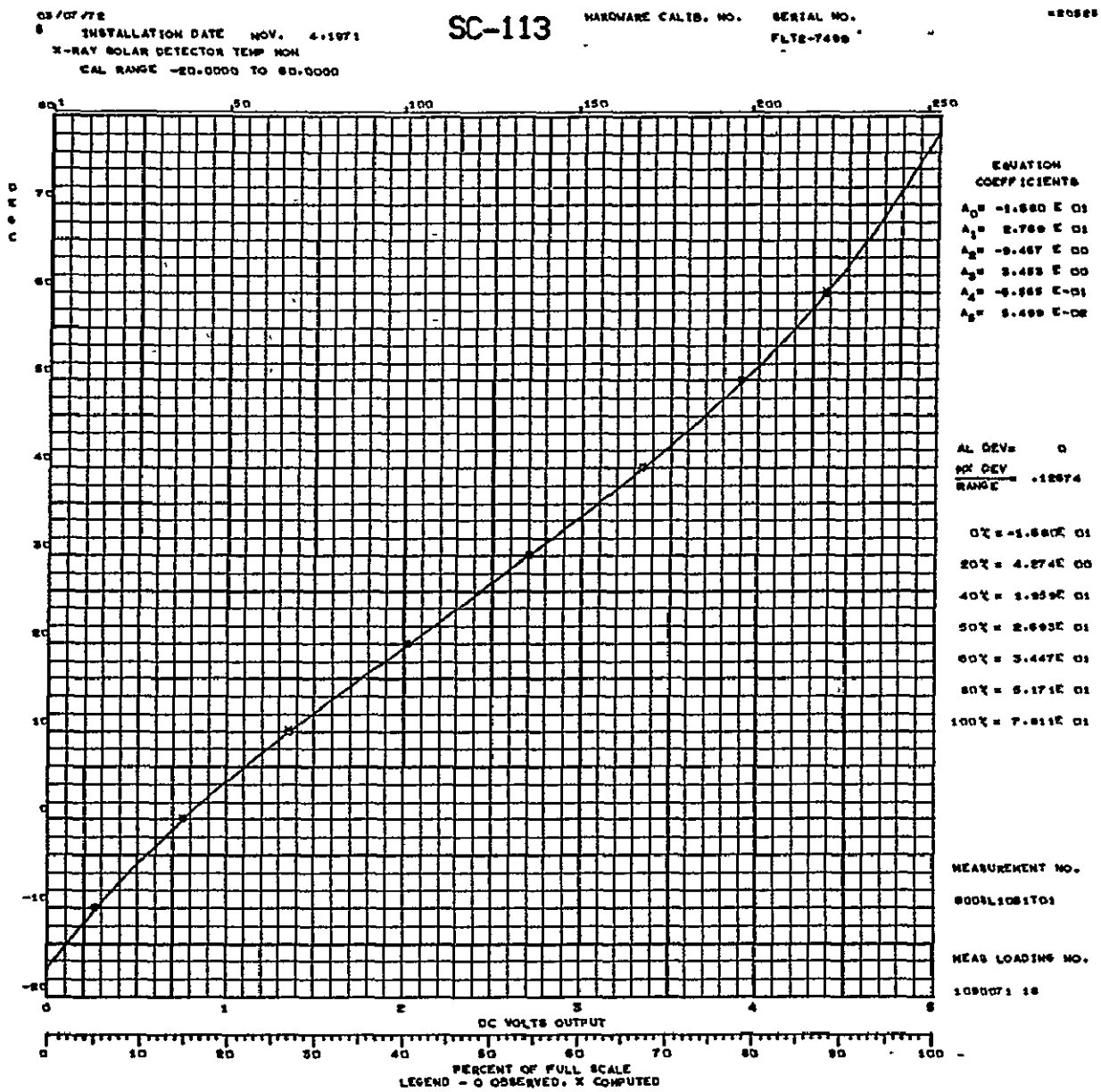
8 060 Change 2

CALIBRATION DATA FOR MEASUREMENT

800SL1060T (DEG F)

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8 063 Charge 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

X-RAY SOLAR DETECTOR TEMP MON

MEASUREMENT NO. 6005L1051T01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. FLT2-7409
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/04/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-16.705	37	-0 647	73	11.259	109	21.929	145	32 630	181	44.256	217	56 601
2	-16.246	38	-0 278	74	11 573	110	22.222	146	32 935	182	44 615	218	59 059
3	-15.705	39	0 008	75	11.877	111	22 515	147	33 242	183	44 957	219	59 542
4	-15.358	40	0 451	76	12 100	112	22.808	148	33 549	184	45 321	220	60 019
5	-14.640	41	0 611	77	12 482	113	23.101	149	33.857	185	45.677	221	60.502
6	-14.118	42	1.168	78	12 765	114	23 394	150	34.165	186	46.035	222	60 991
7	-13 604	43	1 523	79	13 084	115	23.687	151	34 474	187	46.385	223	61 405
8	-13.005	44	1.875	80	13 384	116	23 981	152	34.705	188	46.758	224	61.904
9	-12.595	45	2.225	81	13 603	117	24 274	153	35.095	189	47.123	225	62.409
10	-12.100	46	2.572	82	13 982	118	24 568	154	35.407	190	47.490	226	63 000
11	-11 611	47	2.917	83	14 280	119	24 652	155	35.720	191	47.850	227	63.517
12	-11.128	48	3 259	84	14 578	120	25.157	156	36.033	192	48 232	228	64.041
13	-10.651	49	3.600	85	14.875	121	25 451	157	36.348	193	48 607	229	64 570
14	-10.180	50	3 938	86	15.172	122	25.745	158	36.663	194	48 985	230	65.105
15	-9 714	51	4.274	87	15.469	123	26.041	159	36.980	195	49 365	231	65.648
16	-9 254	52	4 608	88	15.765	124	26.338	160	37.297	196	49.749	232	66.197
17	-8 799	53	4.941	89	16.060	125	26 632	161	37.615	197	50.135	233	66.753
18	-8 350	54	5.271	90	16.355	126	26.928	162	37.935	198	50.524	234	67.316
19	-7.908	55	5.600	91	16.650	127	27.224	163	38 256	199	50.917	235	67 886
20	-7 466	56	5.927	92	16.945	128	27.521	164	38 578	200	51.312	236	68 464
21	-7.051	57	6.252	93	17.239	129	27.818	165	38.901	201	51.711	237	69 048
22	-6 602	58	6 575	94	17 533	130	28.115	166	39 225	202	52.113	238	69.641
23	-6.176	59	6.897	95	17.827	131	28 412	167	39 551	203	52 518	239	70 241
24	-6.756	60	7.218	96	18.121	132	28 711	168	39 878	204	52 927	240	70.849
25	-5.339	61	7.537	97	18.414	133	29.009	169	40.205	205	53 339	241	71.465
26	-4.927	62	7.854	98	18.708	134	29 308	170	40 535	206	53 755	242	72.089
27	-4 520	63	8 170	99	19 001	135	29 607	171	40.867	207	54 175	243	72.722
28	-4.118	64	8.485	100	19 294	136	29.907	172	41.200	208	54.599	244	73 363
29	-3 716	65	8 799	101	19 587	137	30.208	173	41 534	209	55.028	245	74.014
30	-3 320	66	9.112	102	19.880	138	30 508	174	41.869	210	55.458	246	74 673
31	-2.928	67	9.423	103	20.172	139	30 810	175	42.205	211	55.894	247	75.341
32	-2.539	68	9 733	104	20.465	140	31 112	176	42 545	212	56.334	248	76.018
33	-2.154	69	10 042	105	20.758	141	31 414	177	42.885	213	56.778	249	76.705
34	-1.772	70	10 350	106	21 051	142	31.717	178	43 228	214	57 227	250	77.402
35	-1.394	71	10.657	107	21.343	143	32.021	179	43 572	215	57 680	251	78.109
36	-1 019	72	10.964	108	21.636	144	32.325	180	43 918	216	58 138		

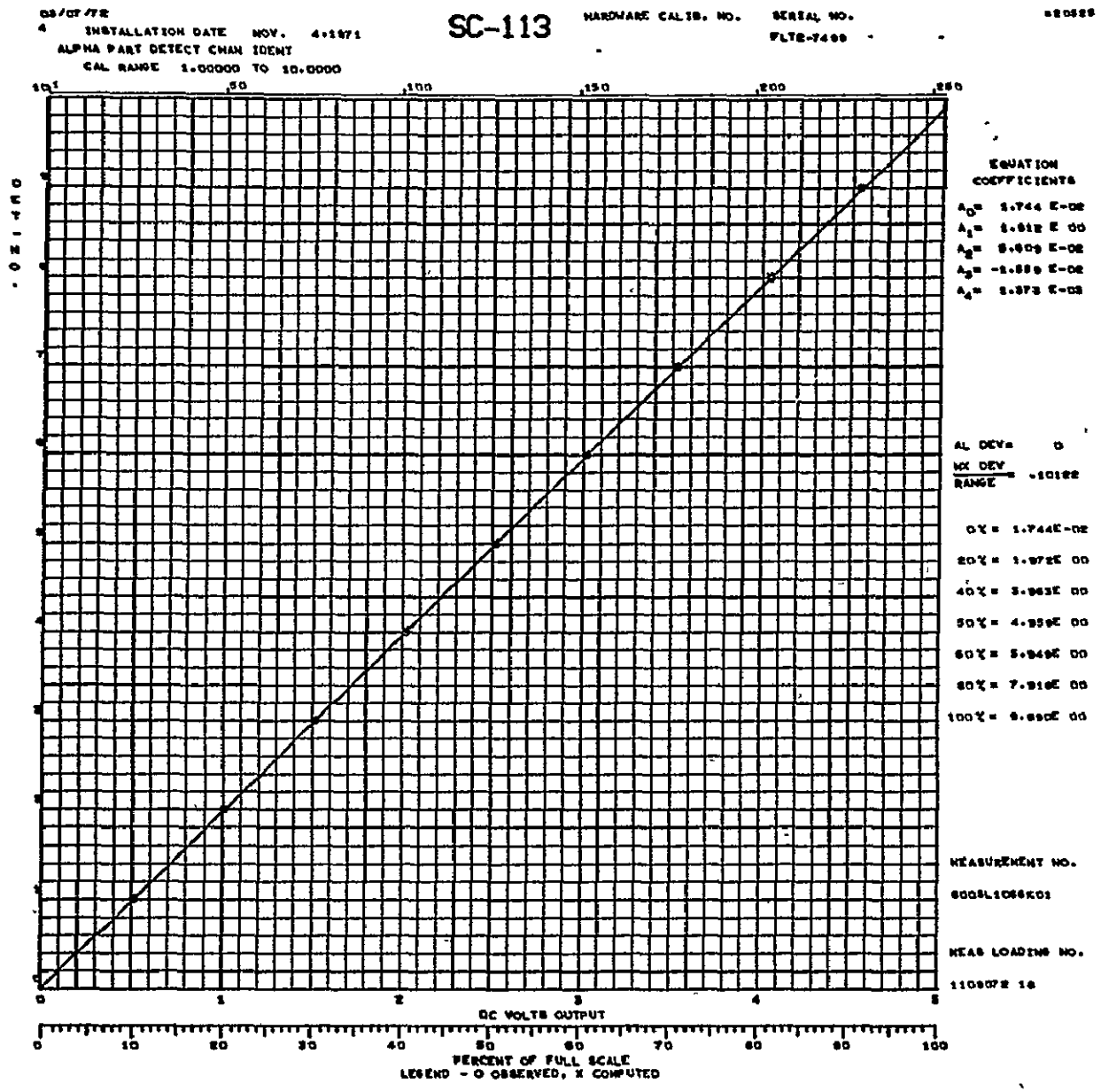
CALIBRATION DATA FOR MEASUREMENT

800SL1061T (DEG F)

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**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART DETECT CHAN IDENT

MEASUREMENT NO. 800BL1056K01
VEHICLE BC-113-EXP
TRANSDUCER SERIAL NO. FLT2-7409
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/04/71

CNT	DET-NO	CNT	DET-NO	CNT	DET-NO	CNT	DET-NO	CNT	DET-NO	CNT	DET-NO	CNT	DET-NO
1	0.017	37	1.418	73	2 867	109	4.282	145	5.712	181	7.132	217	8 546
2	0.056	38	1.457	74	2 887	110	4.322	146	5.751	182	7 171	218	8 585
3	0.094	39	1 497	75	2 925	111	4.352	147	5.791	183	7.210	219	8 625
4	0.132	40	1.536	76	2.966	112	4.402	148	5.831	184	7.250	220	8 664
5	0.171	41	1 576	77	3 005	113	4 442	149	5.870	185	7 289	221	8.704
6	0 209	42	1.615	78	3.046	114	4.481	150	5.910	186	7.328	222	8 743
7	0 248	43	1.655	79	3 086	115	4.521	151	5.949	187	7.367	223	8 783
8	0 286	44	1.694	80	3.125	116	4 561	152	5.989	188	7 407	224	8.822
9	0.325	45	1.734	81	3.166	117	4.601	153	6.028	189	7 446	225	8.861
10	0.363	46	1.773	82	3.205	118	4.641	154	6.068	190	7.485	226	8.901
11	0.402	47	1.813	83	3.245	119	4.680	155	6.107	191	7.525	227	8 940
12	0.441	48	1.853	84	3.285	120	4 720	156	6.147	192	7.564	228	8.980
13	0.479	49	1.892	85	3.325	121	4 760	157	6.186	193	7.603	229	9 019
14	0.518	50	1.932	86	3.365	122	4 800	158	6.226	194	7.643	230	9 058
15	0.557	51	1.972	87	3.405	123	4.839	159	6.265	195	7.682	231	9.098
16	0.595	52	2.011	88	3.445	124	4 879	160	6.305	196	7.721	232	9.137
17	0 635	53	2.051	89	3.485	125	4.919	161	6.344	197	7.760	233	9.177
18	0.673	54	2.091	90	3.525	126	4.959	162	6.385	198	7.800	234	9.215
19	0.712	55	2 130	91	3.565	127	4 998	163	6.423	199	7.839	235	9.256
20	0.751	56	2 170	92	3.605	128	5 038	164	6.462	200	7.878	236	9 295
21	0.790	57	2.210	93	3 644	129	5.078	165	6.502	201	7.918	237	9.335
22	0.829	58	2.249	94	3.684	130	5.117	166	6 541	202	7.957	238	9.374
23	0.868	59	2.289	95	3.724	131	5.157	167	6 581	203	7.998	239	9.414
24	0.907	60	2.329	96	3.764	132	5.197	168	6.620	204	8.035	240	9.454
25	0.947	61	2.369	97	3 804	133	5 236	169	6.659	205	8.075	241	9.493
26	0.986	62	2.409	98	3 844	134	5.276	170	6 699	206	8.114	242	9.533
27	1.025	63	2.448	99	3 884	135	5.316	171	6 738	207	8 153	243	9 573
28	1.064	64	2.488	100	3 924	136	5.355	172	6.777	208	8.193	244	9.612
29	1.103	65	2.528	101	3 963	137	5.395	173	6.817	209	8.232	245	9.652
30	1.142	66	2 568	102	4 003	138	5.435	174	6.856	210	8.271	246	9 692
31	1.182	67	2 608	103	4.043	139	5.474	175	6.895	211	8.310	247	9.731
32	1.221	68	2.647	104	4 083	140	5.514	176	6.935	212	8 350	248	9 771
33	1.260	69	2 687	105	4 123	141	5.554	177	6.974	213	8 389	249	9.811
34	1.300	70	2 727	106	4.163	142	5.593	178	7.014	214	8 428	250	9.851
35	1.339	71	2 767	107	4.203	143	5.633	179	7.053	215	8 468	251	9.890
36	1.378	72	2.807	108	4 242	144	5 672	180	7.092	216	8.507		

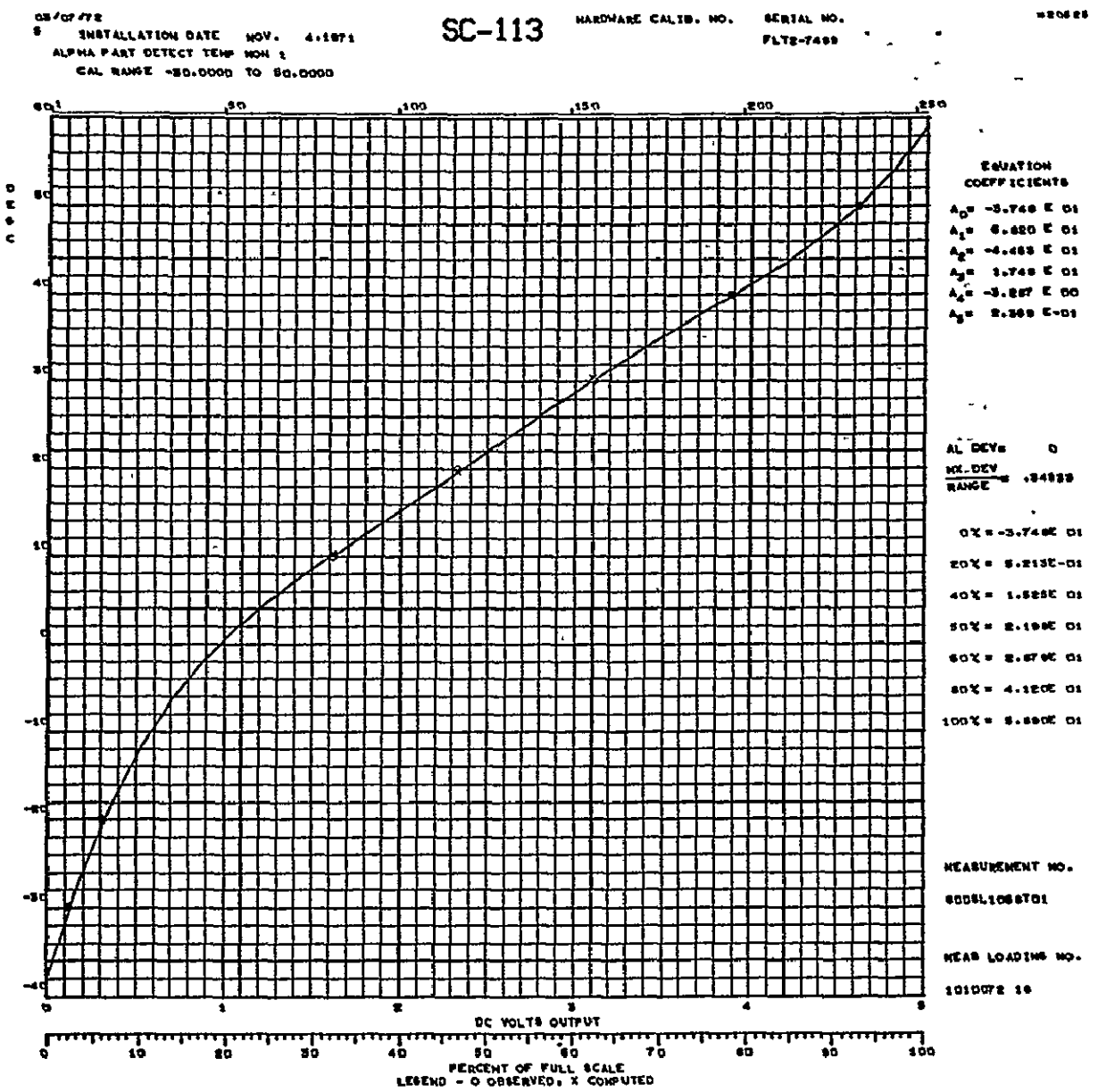
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CALIBRATION DATA FOR MEASUREMENT

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8 669 Charge 2


SC-113
INSTALLATION DATE NOV. 4.1971
ALPHA PART DETECT TEMP NON 1
CAL RANGE -50.0000 TO 50.0000
HARDWARE CALIB. NO.
SERIAL NO.
FLTS-7499
EQUATION COEFFICIENTS
A_0= -3.748 E 01
A_1= 6.820 E 01
A_2= -4.483 E 01
A_3= 1.748 E 01
A_4= -3.287 E 00
A_5= 2.369 E-01
AL DEVs 0
MX.DEV/RANGE= .84939
0%= -3.748E 01
20%= 5.213E-01
40%= 1.525E 01
50%= 2.198E 01
60%= 2.870E 01
80%= 4.215E 01
100%= 5.559E 01
MEASUREMENT NO.
6005L1068T01
MEAS LOADING NO.
1010072 16
DEGC
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART DETECT TEMP MON 1

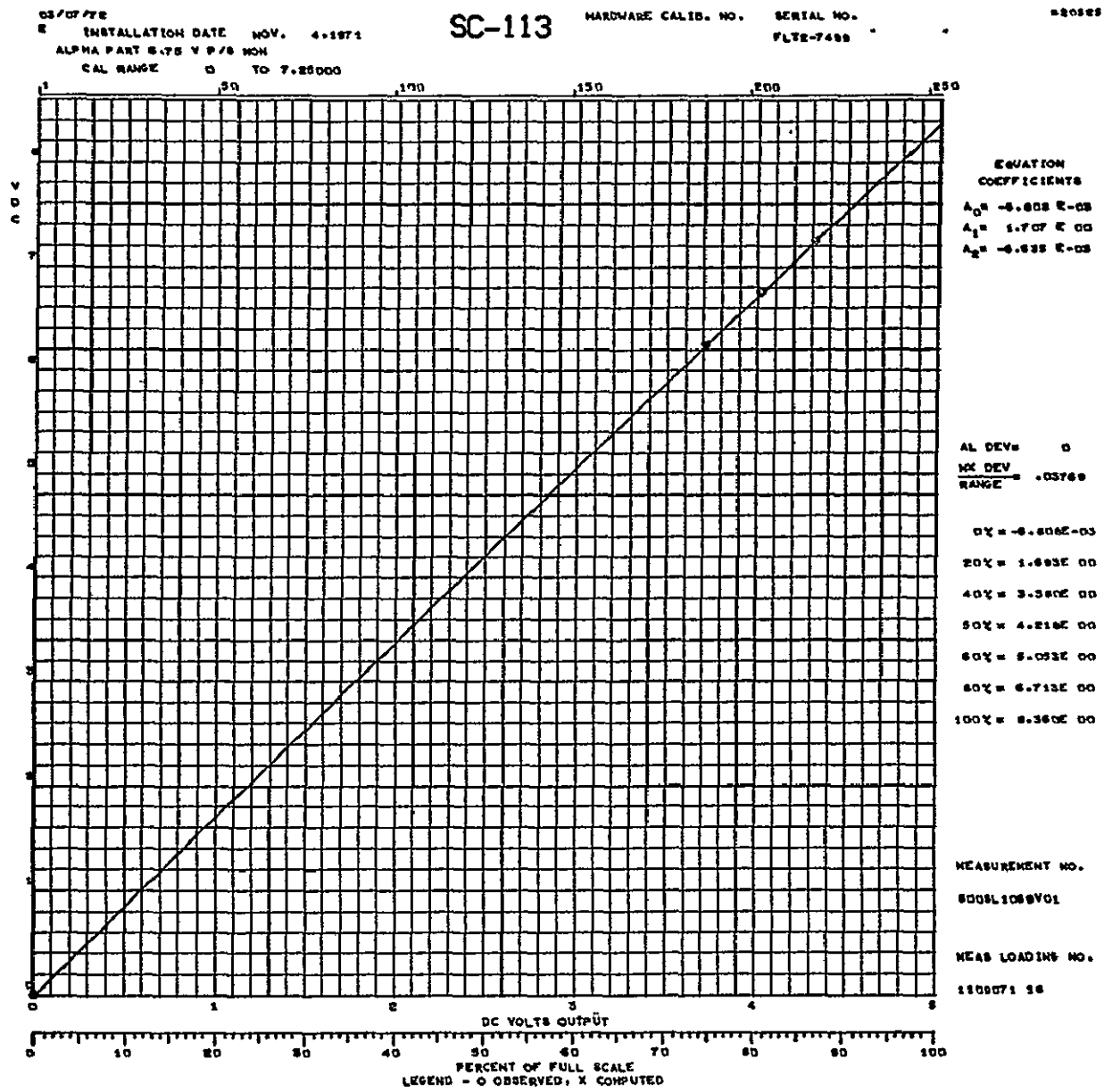
MEASUREMENT NO. 0004L1C0G701
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO FL12-7499
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-37.478	37	-5.825	73	7.718	109	17.577	145	27.178	181	35.440	217	45 203
2	-36.132	38	-5 301	74	8.002	110	17 645	146	27 449	182	36 681	218	45 552
3	-34.621	39	-4.760	75	8.204	111	17.914	147	27.719	183	36.521	219	45.845
4	-33 544	40	-4 290	76	8.553	112	18-102	148	27.989	184	37.161	220	46 132
5	-32 300	41	-3 602	77	8.841	113	18.451	149	28 258	185	37 400	221	46 424
6	-31.008	42	-3.325	78	9 118	114	18.721	150	28 527	186	37 639	222	46.721
7	-29.906	43	-2.659	79	9 392	115	18-991	151	28 795	187	37.677	223	47.023
8	-28 759	44	-2 401	80	9.655	116	19 251	152	29 052	188	38 115	224	47 331
9	-27.640	45	-1.159	81	9 937	117	19 532	153	29 329	189	38 352	225	47.644
10	-26.551	46	-1 523	82	10.208	118	19 803	154	29 595	190	38 569	226	47 963
11	-25.490	47	-1.007	83	10.477	119	20.074	155	29 850	191	38-035	227	48 288
12	-24.457	48	-0.680	84	10.746	120	20.365	156	30.125	192	39 063	228	48 620
13	-23.451	49	-0.271	85	11.013	121	20.618	157	30 360	193	39.300	229	48.959
14	-22.472	50	0.129	86	11.280	122	20.891	158	30.651	194	39.535	230	49 305
15	-21.518	51	0.521	87	11 547	123	21.163	159	30.913	195	39 773	231	49 659
16	-20.590	52	0.905	88	11.812	124	21.436	160	31.174	196	40.011	232	50 020
17	-19.686	53	1.283	89	12.078	125	21.710	161	31.434	197	40 248	233	50 390
18	-18.807	54	1.654	90	12 342	126	21.983	162	31 693	198	40 485	234	50.768
19	-17.950	55	2.017	91	12.607	127	22.257	163	31.952	199	40.725	235	51.155
20	-17.116	56	2.375	92	12 871	128	22.530	164	32.209	200	40 964	236	51 552
21	-16.305	57	2 725	93	13.135	129	22.804	165	32.466	201	41 204	237	51.958
22	-15.513	58	3.071	94	13 399	130	23.078	166	32.721	202	41 445	238	52.374
23	-14.742	59	3.411	95	13.663	131	23.353	167	32.976	203	41.687	239	52.801
24	-13.992	60	3.745	96	13 927	132	23 627	168	33.229	204	41.931	240	53.239
25	-13.262	61	4.075	97	14.191	133	23.901	169	33.482	205	42.176	241	53.688
26	-12 550	62	4.400	98	14.455	134	24.175	170	33.733	206	42 422	242	54.149
27	-11.857	63	4 720	99	14 719	135	24.449	171	33.984	207	42 670	243	54 621
28	-11.182	64	5.035	100	14.984	136	24 723	172	34 234	208	42.920	244	55.107
29	-10.524	65	5 347	101	15 249	137	24.997	173	34.482	209	43 172	245	55 608
30	-9.883	66	5.655	102	15.514	138	25 270	174	34 730	210	43.425	246	56.118
31	-9 259	67	5 959	103	15.779	139	25 544	175	34.977	211	43.682	247	56 644
32	-8.650	68	6 260	104	16.044	140	25.817	176	35 223	212	43 941	248	57.184
33	-8.056	69	6 557	105	16.310	141	26 090	177	35.468	213	44.203	249	57.740
34	-7.477	70	6 851	106	16.576	142	26.362	178	35 712	214	44.468	250	58.311
35	-6.913	71	7.145	107	16.843	143	26 634	179	35 956	215	44.736	251	58.898
36	-6.362	72	7.432	108	17.110	144	26.905	180	36.198	216	45.008		

CALIBRATION DATA FOR MEASUREMENT
800SL1068T (DEG F)

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**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART 6 75 V P/S MON

MEASUREMENT NO. 8006L1039W01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO FL12-7499
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.007	37	1.210	73	2.437	109	3 649	145	4 853	181	6.051	217	7.242
2	0.027	38	1.252	74	2.471	110	3 682	146	4.887	182	6.084	218	7.275
3	0.051	39	1.285	75	2 504	111	3 716	147	4.920	183	6.117	219	7.308
4	0.086	40	1 320	76	2.538	112	3.749	148	4.953	184	6.151	220	7.341
5	0.130	41	1.354	77	2.572	113	3.783	149	4.987	185	6.184	221	7.374
6	0.164	42	1.388	78	2.605	114	3.816	150	5.020	186	6.217	222	7.407
7	0.198	43	1.422	79	2.639	115	3.850	151	5.053	187	6.250	223	7.440
8	0.232	44	1.456	80	2.673	116	3 883	152	5.087	188	6.283	224	7.473
9	0.266	45	1.490	81	2.707	117	3 917	153	5.120	189	6.316	225	7.505
10	0.300	46	1.524	82	2 740	118	3.950	154	5.153	190	6.349	226	7.539
11	0.334	47	1.558	83	2 774	119	3 984	155	5.187	191	6 383	227	7.572
12	0.368	48	1.592	84	2.808	120	4.017	156	5 220	192	6.416	228	7.604
13	0.402	49	1.625	85	2 842	121	4 051	157	5 253	193	6 449	229	7.637
14	0.436	50	1.659	86	2.875	122	4 084	158	5 287	194	6 482	230	7.670
15	0.471	51	1.693	87	2.909	123	4.118	159	5 320	195	6.515	231	7 703
16	0.505	52	1.727	88	2.943	124	4.151	160	5 353	196	6.548	232	7 736
17	0.539	53	1 761	89	2.976	125	4.186	161	5 386	197	6.581	233	7.769
18	0.573	54	1 795	90	3.010	126	4.218	162	5.420	198	6.614	234	7.802
19	0.607	55	1.829	91	3.044	127	4.252	163	5.453	199	6.647	235	7.835
20	0.641	56	1.862	92	3 077	128	4.285	164	5.486	200	6.680	236	7.868
21	0.675	57	1.896	93	3.111	129	4.319	165	5.519	201	6.713	237	7.901
22	0.709	58	1.930	94	3.145	130	4.352	166	5.553	202	6.747	238	7.933
23	0.743	59	1.964	95	3 178	131	4.386	167	5 586	203	6.780	239	7.966
24	0.777	60	1.998	96	3.212	132	4.419	168	5.619	204	6.813	240	7.999
25	0.811	61	2.032	97	3.245	133	4.452	169	5.652	205	6.846	241	8 032
26	0.845	62	2.065	98	3 279	134	4 486	170	5 686	206	6.879	242	8.065
27	0.879	63	2.099	99	3.313	135	4.519	171	5.719	207	6.912	243	8.098
28	0.913	64	2 133	100	3 346	136	4 553	172	5.752	208	6.945	244	8.131
29	0.947	65	2.167	101	3.380	137	4.585	173	5.785	209	6.978	245	8.163
30	0.981	66	2.201	102	3.413	138	4.619	174	5.819	210	7.011	246	8.196
31	1.015	67	2 234	103	3.447	139	4 653	175	5.852	211	7.044	247	8.229
32	1.049	68	2 268	104	3.481	140	4 686	176	5.885	212	7.077	248	8.262
33	1.083	69	2.302	105	3.514	141	4.720	177	5.918	213	7.110	249	8 295
34	1.117	70	2.335	106	3.548	142	4.753	178	5.951	214	7.143	250	8.328
35	1.151	71	2.369	107	3 581	143	4.786	179	5.985	215	7.176	251	8 360
36	1.185	72	2.403	108	3.615	144	4.820	180	6 018	216	7.209		

03/07/72

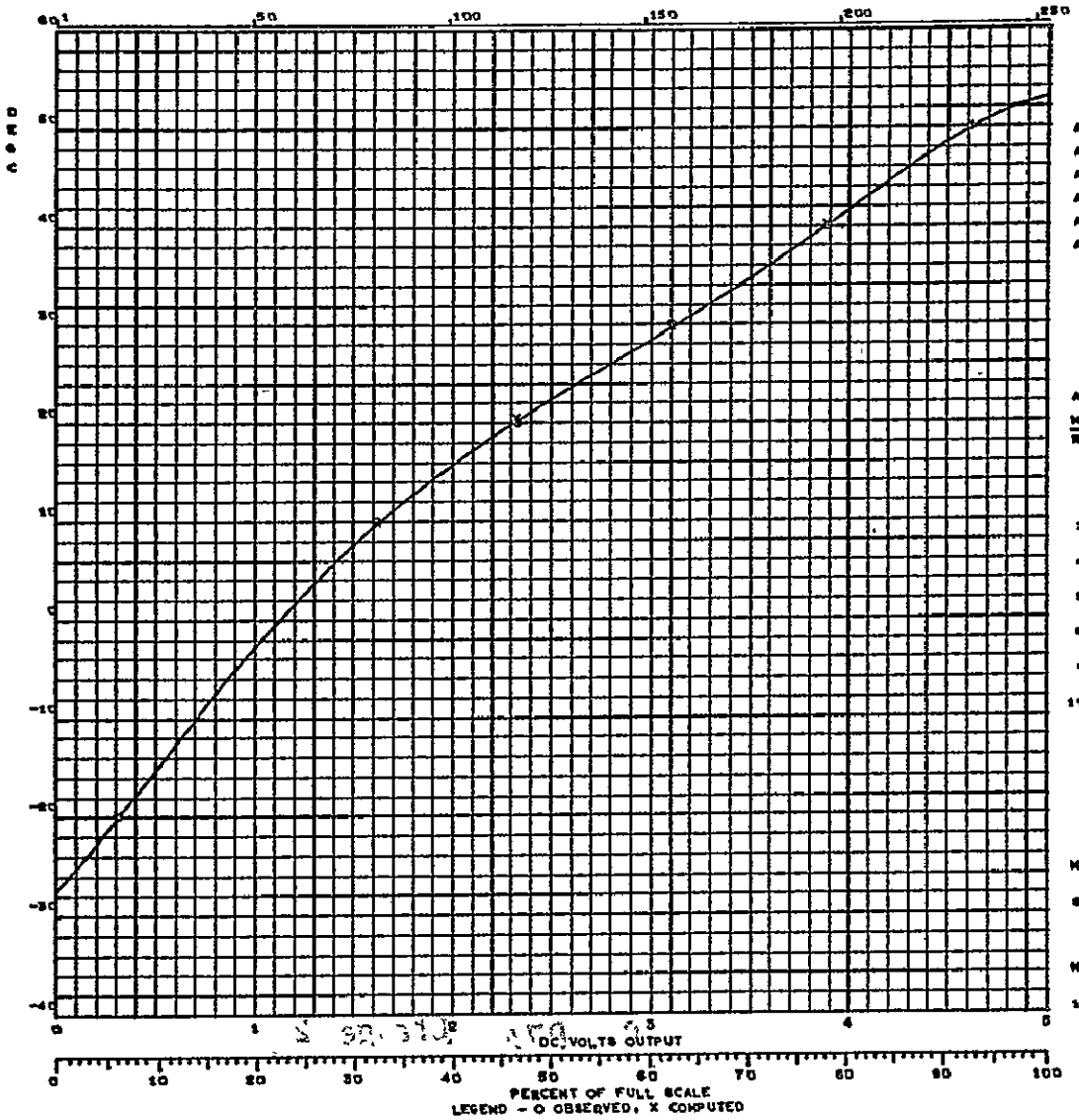
INSTALLATION DATE NOV. 4:1971

ALPHA PART DETECT TEMP NON E

CAL RANGE -50.0000 TO 50.0000

SC-113

HARDWARE CALIB. NO. SERIAL NO. FLT2-7499



EQUATION COEFFICIENTS

A_0= -2.742 E 01

A_1= 2.257 E 01

A_2= 7.102 E 00

A_3= -9.255 E 00

A_4= 1.661 E 00

A_5= -1.375 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$= .40363

0% = -2.745E 01

20% = -2.794E 00

40% = 1.986E 01

50% = 2.244E 01

60% = 2.641E 01

80% = 4.158E 01

100% = 5.206E 01

MEASUREMENT NO.

800SL107OT01

MEAS LOADING NO.

1020072 18

8 075 Change 2

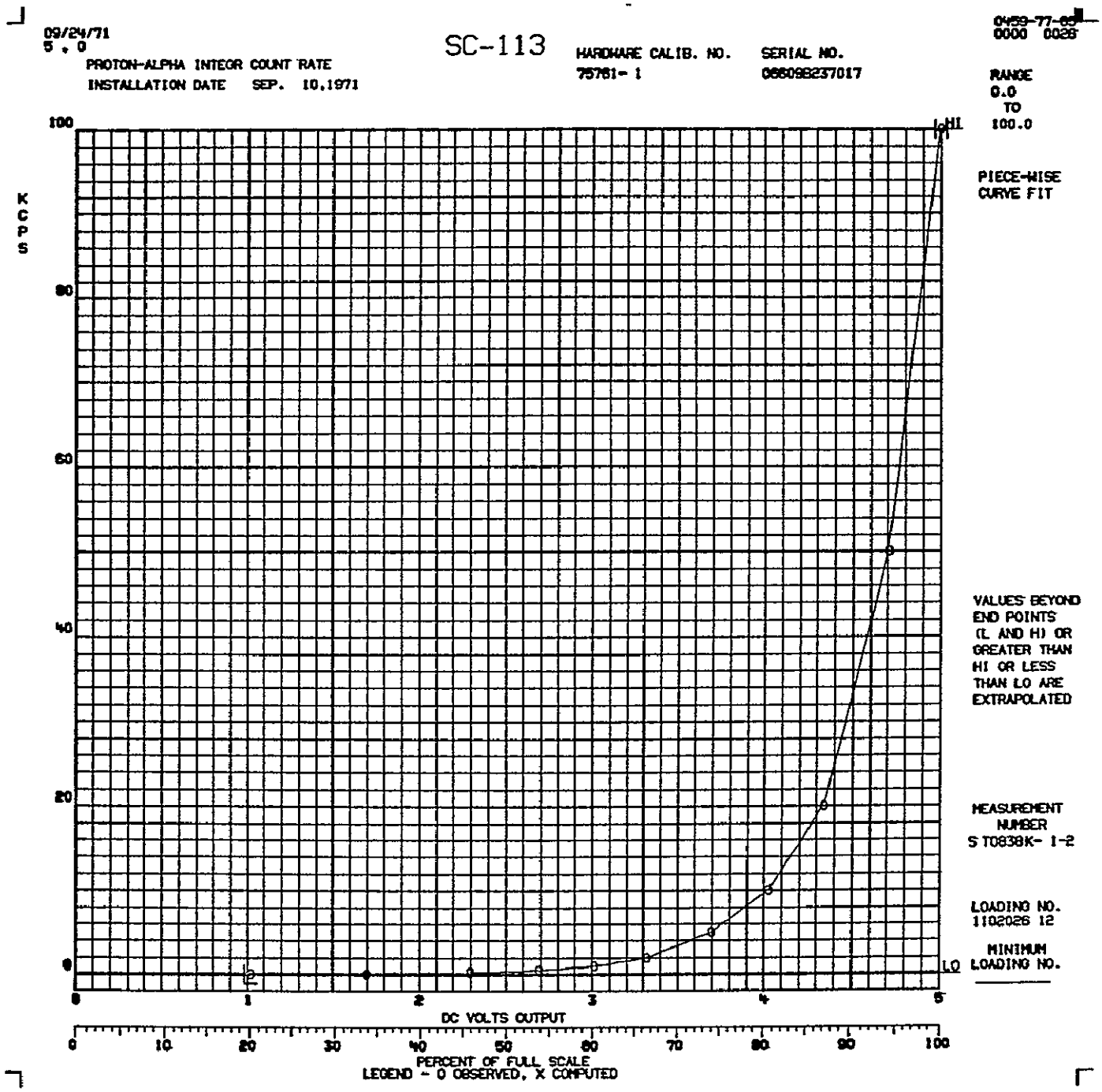
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART DETECT TEMP MON 2

MEASUREMENT NO 0008L107 0101
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO FLT2-7499
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/04/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-27.434	37	-9 529	73	6.511	109	18.035	145	26.977	181	36.057	217	46.209
2	-25.980	38	-9 035	74	6.892	110	18.355	146	27 215	182	35.329	218	46.462
3	-25.520	39	-8 538	75	7.259	111	18.633	147	27.453	183	36.603	219	46 752
4	-26.056	40	-8 015	76	7.642	112	18.899	148	27 691	184	36.678	220	47.019
5	-25.508	41	-7 554	77	8.012	113	19.152	149	27.930	185	37.155	221	47.284
6	-25.112	42	-7.056	78	8.378	114	19 423	150	28 170	186	37.452	222	47.547
7	-24.634	43	-6.561	79	8.741	115	19 683	151	28.410	187	37.710	223	47.807
8	-24.152	44	-6.067	80	9 100	116	19 941	152	28 651	188	37.989	224	48 053
9	-23 667	45	-5.617	81	9 455	117	20.197	153	28.892	189	38 259	225	48.315
10	-23 178	46	-5.139	82	9 805	118	20.452	154	29.135	190	38 550	225	48 558
11	-22 685	47	-4.654	83	10.155	119	20 705	155	29 377	191	38 632	227	48 812
12	-22.191	48	-4.192	84	10.499	120	20 956	156	29.621	192	39 115	228	49.054
13	-21.693	49	-3.723	85	10.840	121	21 207	157	29 656	193	39.398	229	49 292
14	-21.194	50	-3 257	86	11.178	122	21 456	158	30 111	194	39 683	230	49 525
15	-20.692	51	-2 794	87	11.512	123	21 705	159	30 357	195	39.957	231	49 755
16	-20.188	52	-2.335	88	11.843	124	21.950	160	30.604	196	40.253	232	49.979
17	-19.682	53	-1.878	89	12.170	125	22.195	161	30.853	197	40 538	233	50 199
18	-19 176	54	-1.425	90	12.495	126	22.439	162	31.102	198	40 824	234	50 415
19	-18.667	55	-0.975	91	12.815	127	22.683	163	31.352	199	41.111	235	50.621
20	-18.159	56	-0 529	92	13.133	128	22 925	164	31.603	200	41.399	236	50 823
21	-17.648	57	-0 083	93	13 448	129	23.167	165	31 855	201	41 665	237	51.020
22	-17.138	58	0.354	94	13 760	130	23 408	166	32 109	202	41.972	238	51.210
23	-16.627	59	0 790	95	14 068	131	23 648	167	32 364	203	42 259	239	51.393
24	-16.116	60	1 222	96	14 375	132	23.888	168	32 620	204	42 545	240	51 569
25	-15 605	61	1.651	97	14.676	133	24.127	169	32.877	205	42.832	241	51.738
26	-15.094	62	2.077	98	14.976	134	24.365	170	33 135	206	43.118	242	51.900
27	-14.583	63	2.498	99	15.272	135	24 603	171	33 395	207	43.404	243	52.054
28	-14 073	64	2 916	100	15.566	136	24 841	172	33 656	208	43 689	244	52 199
29	-13 563	65	3.330	101	15.857	137	25.079	173	33.917	209	43 974	245	52.337
30	-13.055	66	3.741	102	16.146	138	25.316	174	34.181	210	44.258	246	52 465
31	-12.547	67	4.148	103	16.432	139	25.553	175	34.445	211	44 540	247	52.584
32	-12.041	68	4.551	104	16.715	140	25.790	176	34.711	212	44.822	248	52 694
33	-11 535	69	4 951	105	16.995	141	26 027	177	34.977	213	45.105	249	52 794
34	-11 031	70	5 346	106	17.275	142	26 264	178	35 245	214	45 382	250	52.884
35	-10.529	71	5 738	107	17 551	143	26 502	179	35.515	215	45.659	251	52 963
36	-10 028	72	6.127	108	17 825	144	26.739	180	35.785	216	45.935		

0 076 Change 2


09/24/71
5 . 0
PROTON-ALPHA INTEGR COUNT RATE
INSTALLATION DATE SEP. 10,1971
SC-113
HARDWARE CALIB. NO.
75761- 1
SERIAL NO.
0000 0028
RANGE
0.0
TO
100.0
PIECE-WISE
CURVE FIT
KCPS
100
80
60
40
20
0
HI
LO
VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0838K- 1-2
LOADING NO.
1102026 12
MINIMUM
LOADING NO.
0 1 2 3 4 5
DC VOLTS OUTPUT
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0838 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75761- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0498	38U	-0.0068	75	0.0362	112	0.1746	149	0.8655	186	4.6915	223	24.0071
2U	-0.0487	39U	-0.0056	76	0.0374	113	0.1795	150	0.8964	187	4.8483	224	25.6449
3U	-0.0475	40U	-0.0045	77	0.0385	114	0.1845	151	0.9272	188	5.0100	225	27.2827
4U	-0.0463	41U	-0.0033	78	0.0397	115	0.1895	152	0.9581	189	5.3122	226	28.9205
5U	-0.0452	42U	-0.0022	79	0.0409	116	0.1944	153	0.9890	190	5.6144	227	30.5583
6U	-0.0440	43U	-0.0010	80	0.0420	117	0.1994	154	1.0416	191	5.9165	228	32.1961
7U	-0.0428	44U	0.0002	81	0.0432	118	0.2131	155	1.1061	192	6.2187	229	33.8340
8U	-0.0417	45U	0.0013	82	0.0443	119	0.2280	156	1.1707	193	6.5209	230	35.4718
9U	-0.0405	46U	0.0025	83	0.0455	120	0.2430	157	1.2353	194	6.8231	231	37.1096
10U	-0.0394	47U	0.0037	84	0.0467	121	0.2580	158	1.2999	195	7.1253	232	38.7474
11U	-0.0382	48U	0.0048	85	0.0478	122	0.2730	159	1.3645	196	7.4275	233	40.3852
12U	-0.0370	49U	0.0060	86	0.0490	123	0.2879	160	1.4291	197	7.7296	234	42.0230
13U	-0.0359	50U	0.0071	87	0.0507	124	0.3029	161	1.4936	198	8.0318	235	43.6608
14U	-0.0347	51U	0.0083	88	0.0556	125	0.3179	162	1.5582	199	8.3340	236	45.2986
15U	-0.0335	52U	0.0095	89	0.0606	126	0.3328	163	1.6228	200	8.6362	237	46.9364
16U	-0.0324	53	0.0106	90	0.0655	127	0.3478	164	1.6874	201	8.9384	238	48.5742
17U	-0.0312	54	0.0118	91	0.0705	128	0.3628	165	1.7520	202	9.2406	239	50.4264
18U	-0.0301	55	0.0130	92	0.0754	129	0.3778	166	1.8166	203	9.5427	240	53.7202
19U	-0.0289	56	0.0141	93	0.0804	130	0.3927	167	1.8812	204	9.8449	241	57.0140
20U	-0.0277	57	0.0153	94	0.0854	131	0.4077	168	1.9457	205	10.3035	242	60.3078
21U	-0.0266	58	0.0164	95	0.0903	132	0.4227	169	2.0251	206	10.9269	243	63.6016
22U	-0.0254	59	0.0176	96	0.0953	133	0.4376	170	2.1819	207	11.5504	244	66.8954
23U	-0.0242	60	0.0188	97	0.1002	134	0.4526	171	2.3388	208	12.1738	245	70.1892
24U	-0.0231	61	0.0199	98	0.1052	135	0.4676	172	2.4956	209	12.7972	246	73.4830
25U	-0.0219	62	0.0211	99	0.1101	136	0.4826	173	2.6525	210	13.4207	247	76.7768
26U	-0.0208	63	0.0223	100	0.1151	137	0.4975	174	2.8093	211	14.0441	248	80.0706
27U	-0.0196	64	0.0234	101	0.1201	138	0.5258	175	2.9662	212	14.6675	249	83.3644
28U	-0.0184	65	0.0246	102	0.1250	139	0.5567	176	3.1230	213	15.2910	250	86.6583
29U	-0.0173	66	0.0257	103	0.1300	140	0.5876	177	3.2799	214	15.9144	251	89.9521
30U	-0.0161	67	0.0269	104	0.1349	141	0.6184	178	3.4367	215	16.5378	252	93.2459
31U	-0.0149	68	0.0281	105	0.1399	142	0.6493	179	3.5935	216	17.1613	253	96.5397
32U	-0.0138	69	0.0292	106	0.1448	143	0.6802	180	3.7504	217	17.7847	254	99.8335
33U	-0.0126	70	0.0304	107	0.1498	144	0.7111	181	3.9072	218	18.4081		
34U	-0.0115	71	0.0316	108	0.1548	145	0.7420	182	4.0641	219	19.0316		
35U	-0.0103	72	0.0327	109	0.1597	146	0.7728	183	4.2209	220	19.6550		
36U	-0.0091	73	0.0339	110	0.1647	147	0.8037	184	4.3778	221	20.7315		
37U	-0.0080	74	0.0350	111	0.1696	148	0.8346	185	4.5346	222	22.3693		

(U --- CURVE UNDEFINED.)

08/09/71
5 . 0

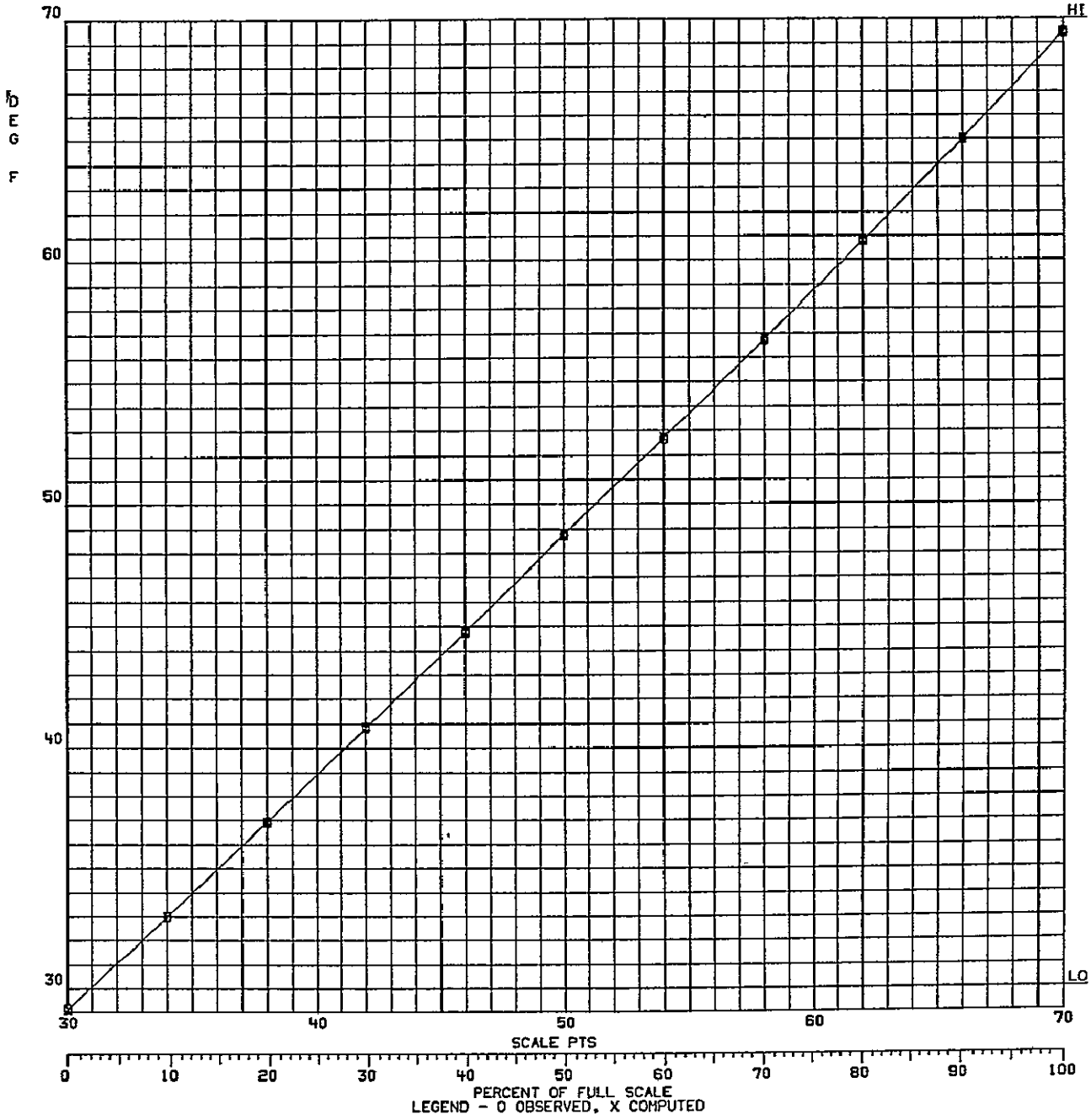
SC-113

TEMP SEC RADIATOR OUTLET
INSTALLATION DATE FEB. 9,1971

HARDWARE CALIB. NO.	SERIAL NO.
78775- 1	089870002003
79084- 1	089870002010
81074- 1	097602434118

0459-77-53
0000 0019

RANGE
30.00
TO
70.00



EQUATION COEFFICIENTS

A_0= 6.502E 00
A_1= 3.654E-01
A_2= 2.074E-02
A_3=-3.125E-04
A_4= 1.787E-06

SIGMA= 01437

$\frac{SIGMA}{RANGE}$= 00035

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S F0263T- 2-0

LOADING NO
M12P2

MINIMUM LOADING NO

11/04/71
I , 0

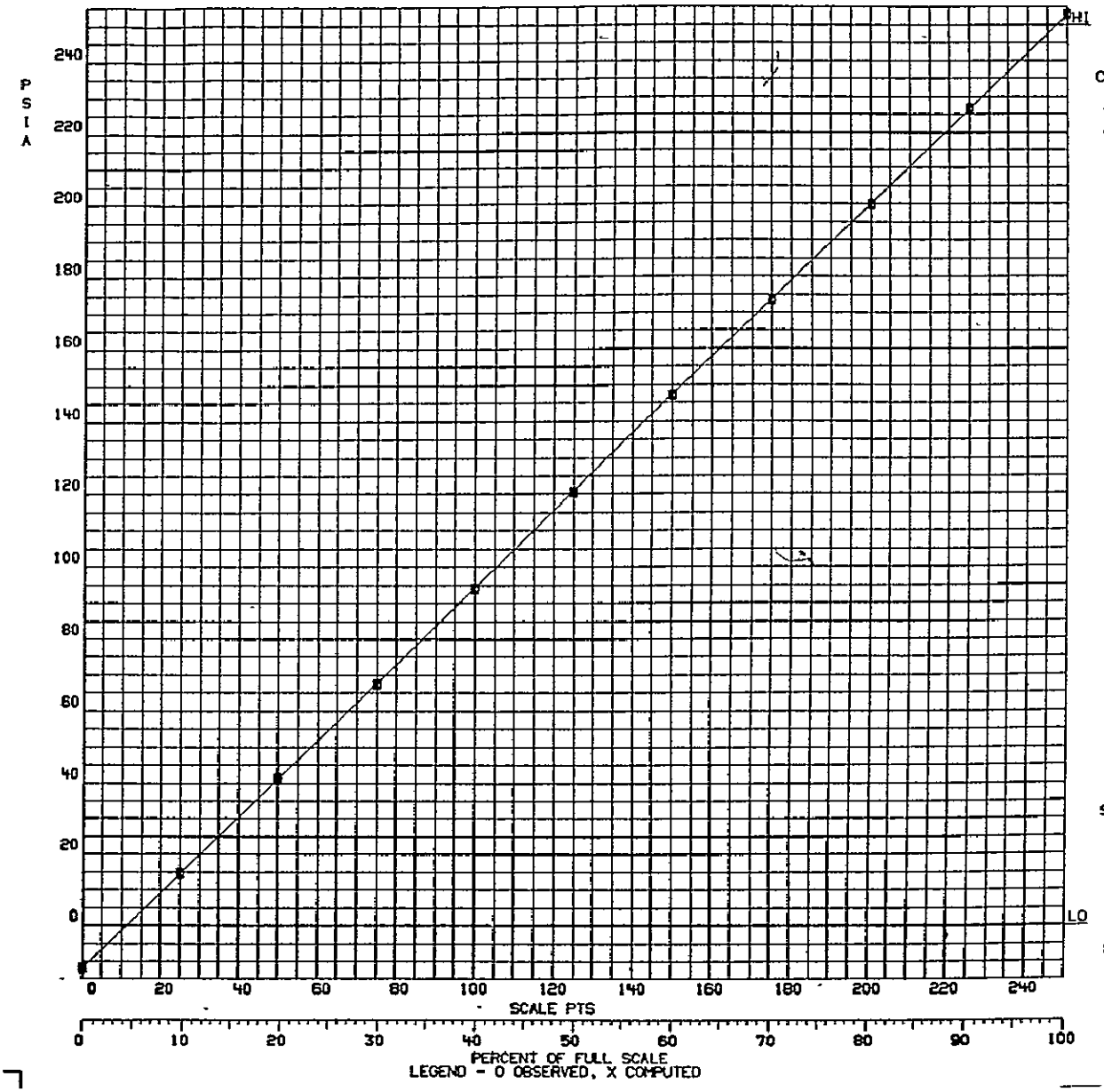
PRESS OXIDIZER TANKS
INSTALLATION DATE OCT 27,1971

SC-113

HARDWARE CALIB NO	SERIAL NO.
77913- 2	100950801694
77843- I	097603823119

0458-77-79
0000 0003

RANGE
0 0
TO
250 0



EQUATION COEFFICIENTS

A_0=-1.189E 01
A_1= 1.059E 00

SIGMA= 00000

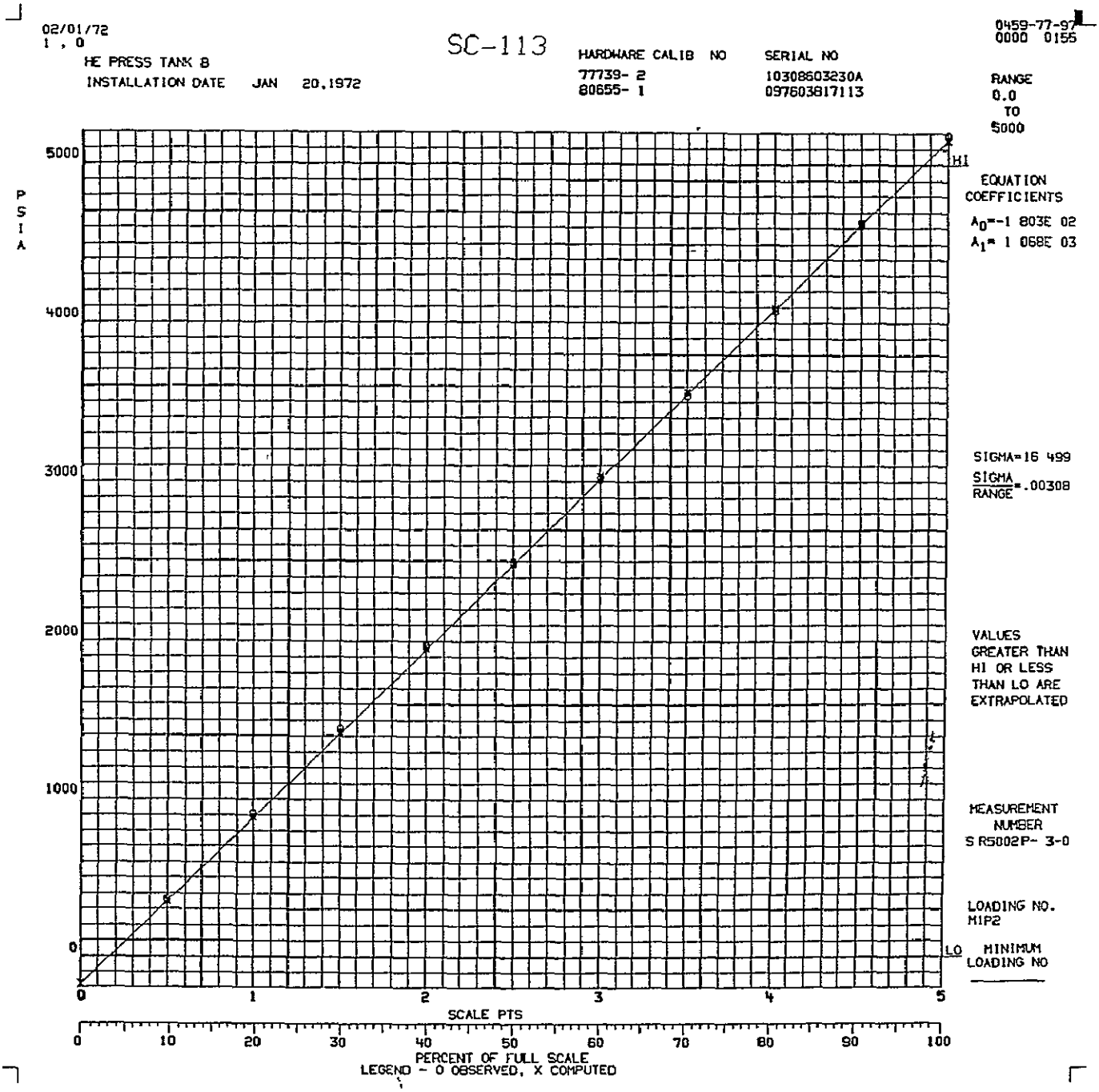
$\frac{SIGMA}{RANGE}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S P0003P- 3-0

LOADING NO.
M2P3

MINIMUM LOADING NO.


02/01/72
1 , 0
HE PRESS TANK B
INSTALLATION DATE JAN 20,1972
SC-113
HARDWARE CALIB NO
77739- 2
80655- 1
SERIAL NO
10308603230A
097603817113
0459-77-97
0000 0155
RANGE
0.0
TO
5000
PSIA
5000
4000
3000
2000
1000
0
HI
LO
EQUATION
COEFFICIENTS
A0=-1 803E 02
A1= 1 068E 03
SIGMA=16 499
SIGMA/RANGE=.00308
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S R5002P- 3-0
LOADING NO.
M1P2
MINIMUM
LOADING NO
0 1 2 3 4 5
SCALE PTS
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

06/29/71
1.0

HE PRESS TANK C

INSTALLATION DATE OCT. 1,1969

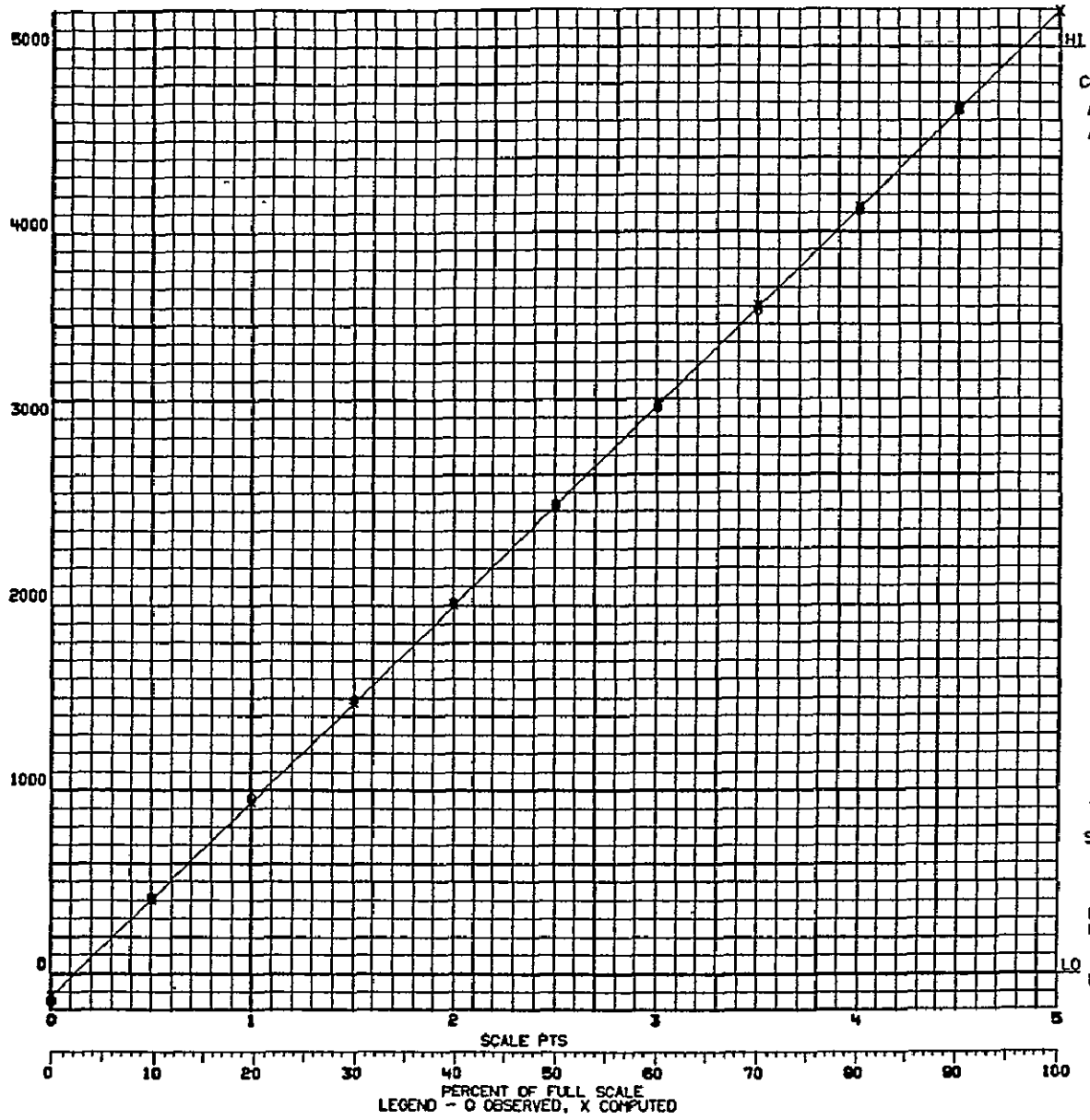
SC-113

HARDWARE CALIB. NO.
57999- 2
80655- 1

SERIAL NO.
10095442931A
097603817113

0459-77-03
0000 0367

RANGE
0.0
TO
5000.



EQUATION COEFFICIENTS

A_0=-1 257E 02

A_1= 1.064E 03

SIGMA=16.437

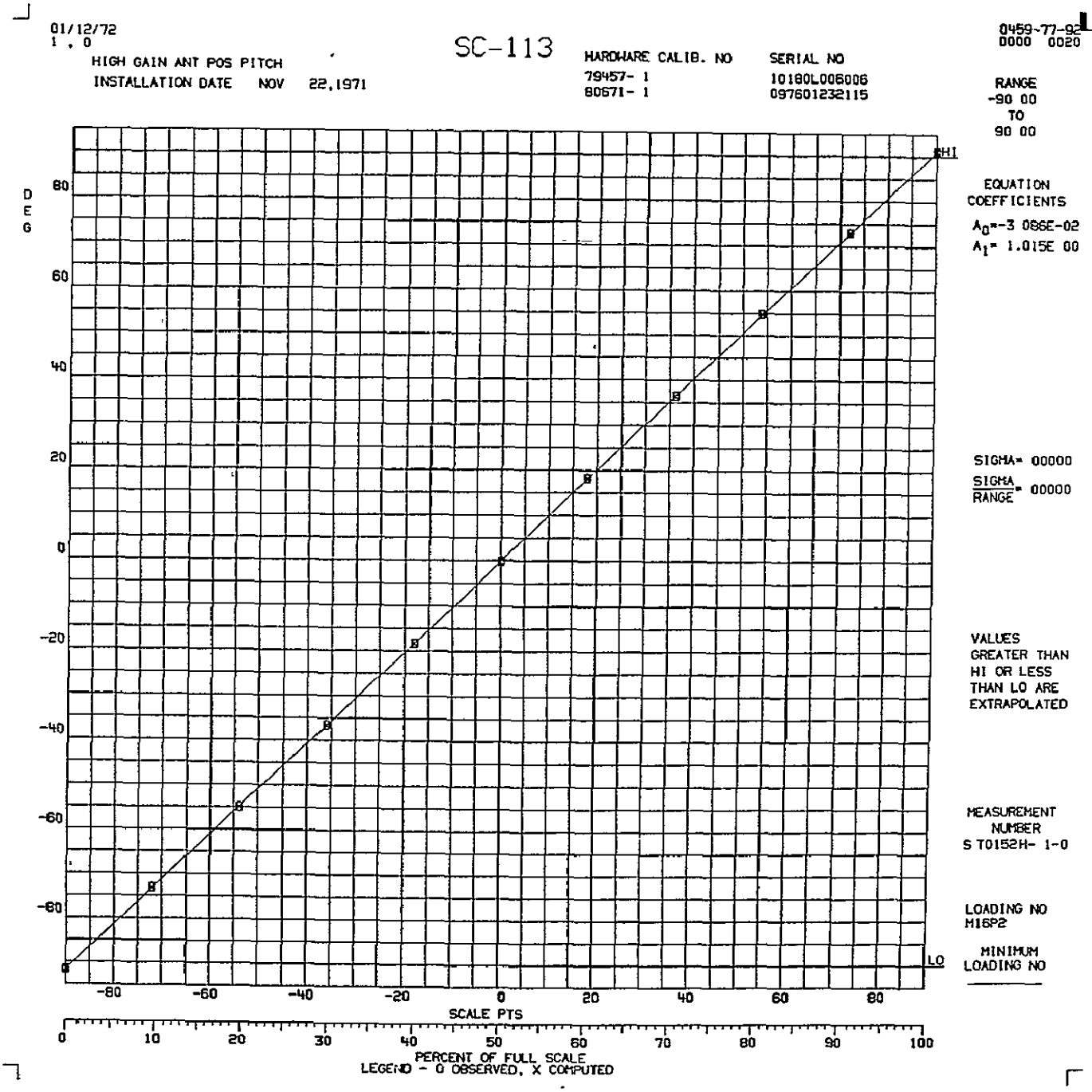
$\frac{SIGMA}{RANGE}$=.00308

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S R5003P- 1-0

LOADING NO.
M1P2

MINIMUM LOADING NO.


01/12/72
1 . 0
HIGH GAIN ANT POS PITCH
INSTALLATION DATE NOV 22,1971
SC-113
HARDWARE CALIB. NO
79457- 1
80671- 1
SERIAL NO
10180L006006
097601232115
0459-77-92
0000 0020
RANGE
-90 00
TO
90 00
EQUATION
COEFFICIENTS
A0=-3 086E-02
A1= 1.015E 00
SIGMA= 00000
SIGMA/RANGE= 00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0152H- 1-0
LOADING NO
M16P2
MINIMUM
LOADING NO
DEG
HI
LO
SCALE PTS
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

01/12/72
1 . 0

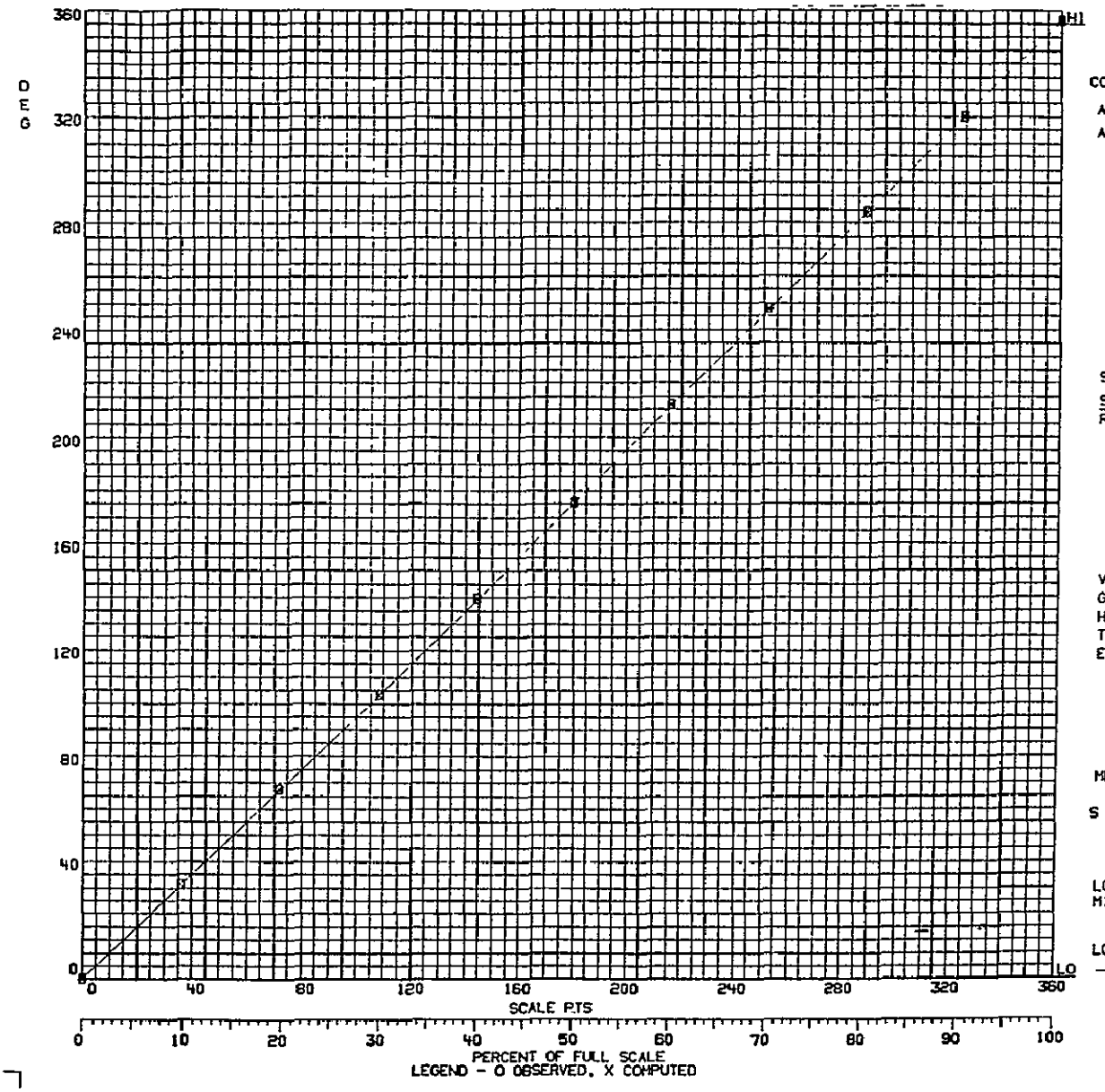
HIGH GAIN ANT POS, YAW
INSTALLATION DATE NOV 22,1971

SC-113

HARDWARE CALIB NO	SERIAL NO
79458- 1	10180L006006
77837- 1	097601233119

0459-77-92
0000 0021

RANGE
0.0
TO
360 0



EQUATION COEFFICIENTS

A_0= 1 234E-01
A_1= 1 003E 00

SIGMA= 00000

$\frac{SIGMA}{RANGE}$= 00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S T0153H- 1-0

LOADING NO.
H18P2

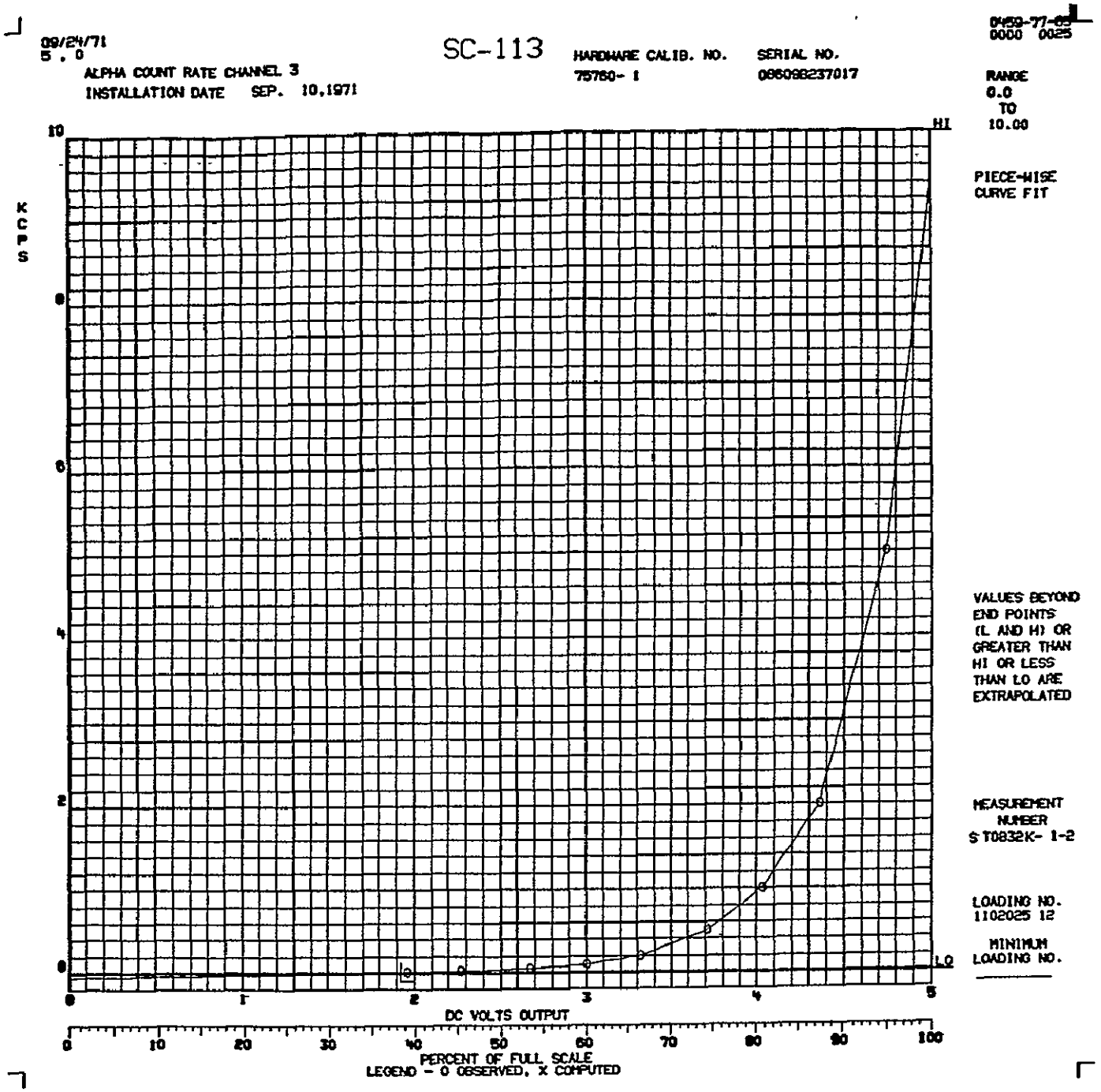
MINIMUM LOADING NO

☆ U S GOVERNMENT PRINTING OFFICE 1972—779 261/334

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0832 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75760- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0539	38U	-0.0301	75U	-0.0062	112	0.0176	149	0.0889	186	0.4563	223	2.2443
2U	-0.0532	39U	-0.0294	76U	-0.0056	113	0.0182	150	0.0919	187	0.4712	224	2.3983
3U	-0.0526	40U	-0.0288	77U	-0.0050	114	0.0189	151	0.0949	188	0.4861	225	2.5523
4U	-0.0519	41U	-0.0281	78U	-0.0043	115	0.0195	152	0.0979	189	0.5022	226	2.7063
5U	-0.0513	42U	-0.0275	79U	-0.0037	116	0.0204	153	0.1019	190	0.5332	227	2.8603
6U	-0.0507	43U	-0.0268	80U	-0.0030	117	0.0218	154	0.1081	191	0.5642	228	3.0143
7U	-0.0500	44U	-0.0262	81U	-0.0024	118	0.0233	155	0.1143	192	0.5951	229	3.1683
8U	-0.0494	45U	-0.0256	82U	-0.0017	119	0.0248	156	0.1205	193	0.6261	230	3.3223
9U	-0.0487	46U	-0.0249	83U	-0.0011	120	0.0263	157	0.1266	194	0.6571	231	3.4763
10U	-0.0481	47U	-0.0243	84U	-0.0004	121	0.0278	158	0.1328	195	0.6881	232	3.6303
11U	-0.0474	48U	-0.0236	85U	0.0002	122	0.0292	159	0.1390	196	0.7191	233	3.7843
12U	-0.0468	49U	-0.0230	86U	0.0008	123	0.0307	160	0.1452	197	0.7500	234	3.9383
13U	-0.0462	50U	-0.0223	87U	0.0015	124	0.0322	161	0.1514	198	0.7810	235	4.0923
14U	-0.0455	51U	-0.0217	88U	0.0021	125	0.0337	162	0.1576	199	0.8120	236	4.2463
15U	-0.0449	52U	-0.0210	89U	0.0028	126	0.0352	163	0.1638	200	0.8430	237	4.4003
16U	-0.0442	53U	-0.0204	90U	0.0034	127	0.0367	164	0.1700	201	0.8739	238	4.5542
17U	-0.0436	54U	-0.0198	91U	0.0041	128	0.0381	165	0.1762	202	0.9049	239	4.7082
18U	-0.0429	55U	-0.0191	92U	0.0047	129	0.0396	166	0.1824	203	0.9359	240	4.8622
19U	-0.0423	56U	-0.0185	93U	0.0053	130	0.0411	167	0.1886	204	0.9669	241	5.0346
20U	-0.0416	57U	-0.0178	94U	0.0060	131	0.0426	168	0.1948	205	0.9978	242	5.3629
21U	-0.0410	58U	-0.0172	95U	0.0066	132	0.0441	169	0.2024	206	1.0569	243	5.6912
22U	-0.0404	59U	-0.0165	96U	0.0073	133	0.0456	170	0.2173	207	1.1181	244	6.0195
23U	-0.0397	60U	-0.0159	97U	0.0079	134	0.0470	171	0.2323	208	1.1793	245	6.3478
24U	-0.0391	61U	-0.0153	98U	0.0086	135	0.0485	172	0.2472	209	1.2405	246	6.6760
25U	-0.0384	62U	-0.0146	99U	0.0092	136	0.0500	173	0.2621	210	1.3017	247	7.0043
26U	-0.0378	63U	-0.0140	100U	0.0099	137	0.0530	174	0.2771	211	1.3628	248	7.3326
27U	-0.0371	64U	-0.0133	101	0.0105	138	0.0560	175	0.2920	212	1.4240	249	7.6609
28U	-0.0365	65U	-0.0127	102	0.0111	139	0.0590	176	0.3069	213	1.4852	250	7.9892
29U	-0.0359	66U	-0.0120	103	0.0118	140	0.0620	177	0.3219	214	1.5464	251	8.3175
30U	-0.0352	67U	-0.0114	104	0.0124	141	0.0650	178	0.3368	215	1.6076	252	8.6458
31U	-0.0346	68U	-0.0107	105	0.0131	142	0.0680	179	0.3517	216	1.6688	253	8.9741
32U	-0.0339	69U	-0.0101	106	0.0137	143	0.0710	180	0.3667	217	1.7300	254	9.3023
33U	-0.0333	70U	-0.0095	107	0.0144	144	0.0740	181	0.3816	218	1.7911		
34U	-0.0326	71U	-0.0088	108	0.0150	145	0.0769	182	0.3965	219	1.8523		
35U	-0.0320	72U	-0.0082	109	0.0156	146	0.0799	183	0.4115	220	1.9135		
36U	-0.0313	73U	-0.0075	110	0.0163	147	0.0829	184	0.4264	221	1.9747		
37U	-0.0307	74U	-0.0069	111	0.0169	148	0.0859	185	0.4413	222	2.0903		

(U --- CURVE UNDEFINED.)


09/24/71
5.0
SC-113
HARDWARE CALIB. NO.
75760- 1
SERIAL NO.
0860982370I7
0459-77-05
0000 0025
ALPHA COUNT RATE CHANNEL 3
INSTALLATION DATE SEP. 10,1971
RANGE
0.0
TO
10.00
PIECE-WISE
CURVE FIT
KCPS
HI
LO
VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
ST0832K- 1-2
LOADING NO.
1102025 12
MINIMUM
LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0831 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75759- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0542	38U	-0.0302	75U	-0.0062	112	0.0178	149	0.0910	186	0.4731	223	2.3881
2U	-0.0535	39U	-0.0295	76U	-0.0056	113	0.0184	150	0.0940	187	0.4883	224	2.5374
3U	-0.0529	40U	-0.0289	77U	-0.0049	114	0.0191	151	0.0970	188	0.5074	225	2.6867
4U	-0.0522	41U	-0.0282	78U	-0.0043	115	0.0197	152	0.1001	189	0.5386	226	2.8361
5U	-0.0516	42U	-0.0276	79U	-0.0036	116	0.0208	153	0.1063	190	0.5699	227	2.9854
6U	-0.0509	43U	-0.0269	80U	-0.0030	117	0.0223	154	0.1125	191	0.6012	228	3.1348
7U	-0.0503	44U	-0.0263	81U	-0.0023	118	0.0238	155	0.1187	192	0.6324	229	3.2841
8U	-0.0496	45U	-0.0257	82U	-0.0017	119	0.0253	156	0.1249	193	0.6637	230	3.4334
9U	-0.0490	46U	-0.0250	83U	-0.0010	120	0.0268	157	0.1311	194	0.6950	231	3.5828
10U	-0.0483	47U	-0.0244	84U	-0.0004	121	0.0283	158	0.1373	195	0.7263	232	3.7321
11U	-0.0477	48U	-0.0237	85U	0.0003	122	0.0298	159	0.1436	196	0.7575	233	3.8815
12U	-0.0470	49U	-0.0231	86U	0.0009	123	0.0313	160	0.1498	197	0.7888	234	4.0308
13U	-0.0464	50U	-0.0224	87U	0.0016	124	0.0328	161	0.1560	198	0.8201	235	4.1802
14U	-0.0457	51U	-0.0218	88U	0.0022	125	0.0343	162	0.1622	199	0.8513	236	4.3295
15U	-0.0451	52U	-0.0211	89U	0.0029	126	0.0358	163	0.1684	200	0.8826	237	4.4788
16U	-0.0444	53U	-0.0205	90U	0.0035	127	0.0373	164	0.1746	201	0.9139	238	4.6282
17U	-0.0438	54U	-0.0198	91U	0.0042	128	0.0388	165	0.1809	202	0.9451	239	4.7775
18U	-0.0431	55U	-0.0192	92U	0.0048	129	0.0403	166	0.1871	203	0.9764	240	4.9269
19U	-0.0425	56U	-0.0185	93U	0.0054	130	0.0418	167	0.1933	204	1.0148	241	5.1626
20U	-0.0419	57U	-0.0179	94U	0.0061	131	0.0433	168	0.1995	205	1.0748	242	5.4814
21U	-0.0412	58U	-0.0172	95U	0.0067	132	0.0448	169	0.2140	206	1.1349	243	5.8002
22U	-0.0406	59U	-0.0166	96U	0.0074	133	0.0463	170	0.2292	207	1.1950	244	6.1189
23U	-0.0399	60U	-0.0159	97U	0.0080	134	0.0478	171	0.2445	208	1.2550	245	6.4377
24U	-0.0393	61U	-0.0153	98U	0.0087	135	0.0493	172	0.2597	209	1.3151	246	6.7564
25U	-0.0386	62U	-0.0146	99U	0.0093	136	0.0517	173	0.2750	210	1.3752	247	7.0752
26U	-0.0380	63U	-0.0140	100U	0.0100	137	0.0547	174	0.2902	211	1.4353	248	7.3939
27U	-0.0373	64U	-0.0133	101	0.0106	138	0.0577	175	0.3055	212	1.4953	249	7.7127
28U	-0.0367	65U	-0.0127	102	0.0113	139	0.0607	176	0.3207	213	1.5554	250	8.0314
29U	-0.0360	66U	-0.0120	103	0.0119	140	0.0638	177	0.3359	214	1.6155	251	8.3502
30U	-0.0354	67U	-0.0114	104	0.0126	141	0.0668	178	0.3512	215	1.6755	252	8.6690
31U	-0.0347	68U	-0.0108	105	0.0132	142	0.0698	179	0.3664	216	1.7356	253	8.9877
32U	-0.0341	69U	-0.0101	106	0.0139	143	0.0728	180	0.3817	217	1.7957	254	9.3065
33U	-0.0334	70U	-0.0095	107	0.0145	144	0.0759	181	0.3969	218	1.8557		
34U	-0.0328	71U	-0.0088	108	0.0152	145	0.0789	182	0.4121	219	1.9158		
35U	-0.0321	72U	-0.0082	109	0.0158	146	0.0819	183	0.4274	220	1.9759		
36U	-0.0315	73U	-0.0075	110	0.0165	147	0.0849	184	0.4426	221	2.0894		
37U	-0.0308	74U	-0.0069	111	0.0171	148	0.0879	185	0.4579	222	2.2387		

(U --- CURVE UNDEFINED.)

09/24/71
5 . 0

ALPHA COUNT RATE CHANNEL 2
INSTALLATION DATE SEP. 10,1971

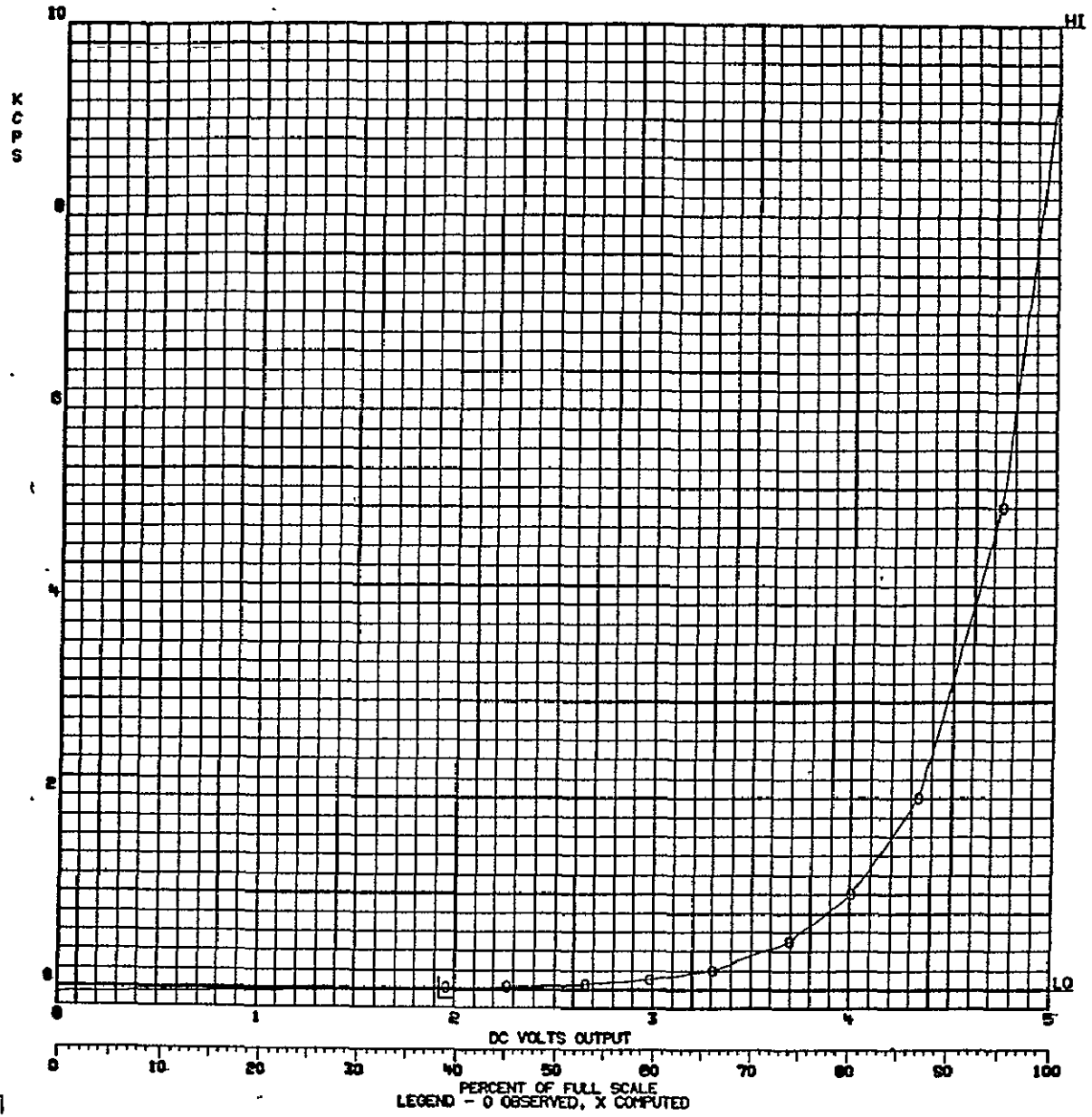
SC-113

HARDWARE CALIB. NO. 75759- 1

SERIAL NO. 0860982370I7

0458-77-65
0000 0024

RANGE
0.0
TO
10.00



PIECE-WISE CURVE FIT

VALUES BEYOND END POINTS (L AND HI) OR GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S T0831K- 1-2

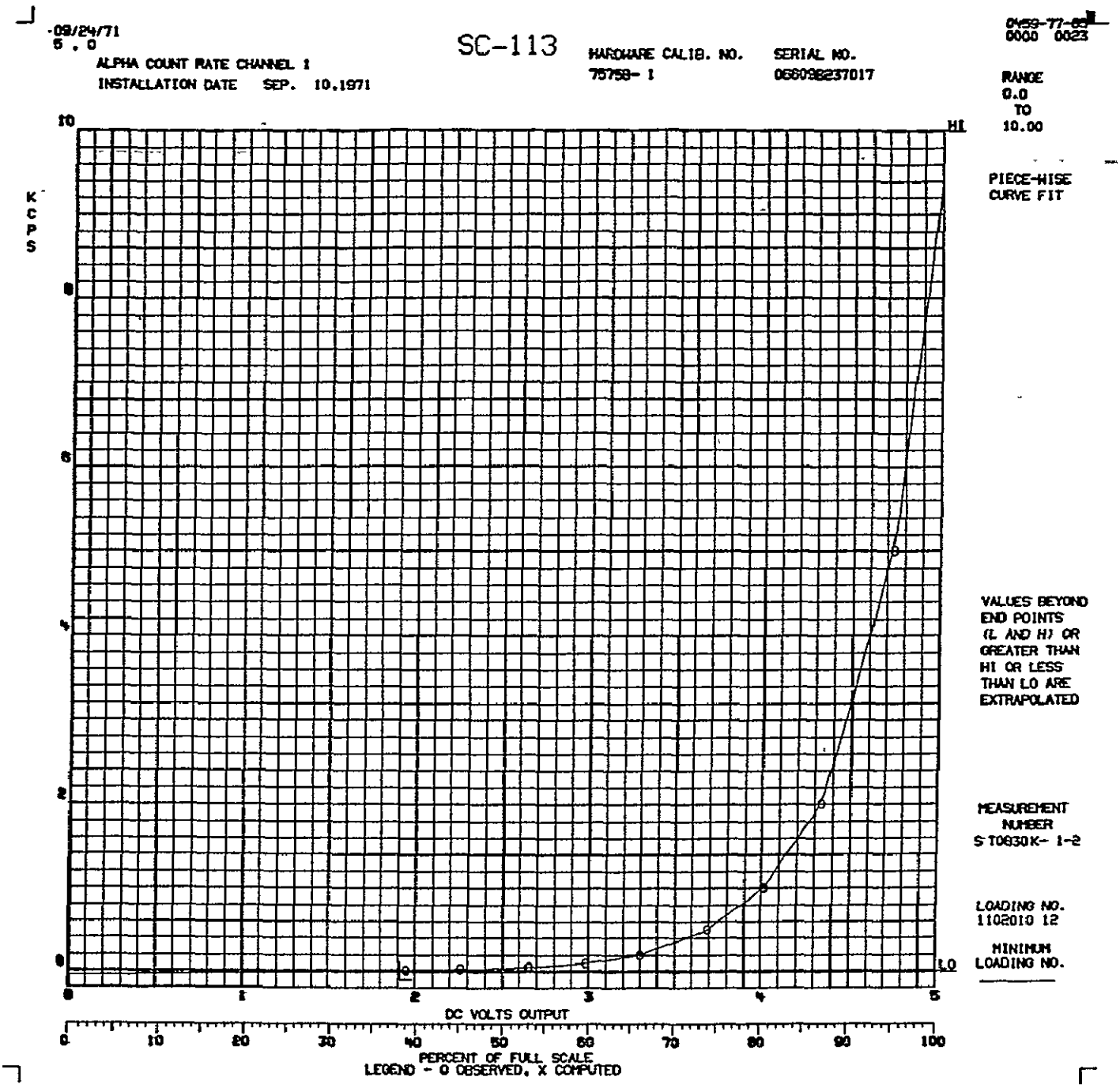
LOADING NO.
1102017 12

MINIMUM LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0830 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75758- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0535	38U	-0.0297	75U	-0.0058	112	0.0180	149	0.0914	186	0.4741	223	2.4022
2U	-0.0528	39U	-0.0290	76U	-0.0052	113	0.0186	150	0.0945	187	0.4892	224	2.5511
3U	-0.0522	40U	-0.0284	77U	-0.0046	114	0.0193	151	0.0975	188	0.5089	225	2.7001
4U	-0.0516	41U	-0.0277	78U	-0.0039	115	0.0199	152	0.1010	189	0.5400	226	2.8491
5U	-0.0509	42U	-0.0271	79U	-0.0033	116	0.0213	153	0.1072	190	0.5710	227	2.9980
6U	-0.0503	43U	-0.0264	80U	-0.0026	117	0.0228	154	0.1135	191	0.6021	228	3.1470
7U	-0.0496	44U	-0.0258	81U	-0.0020	118	0.0243	155	0.1197	192	0.6332	229	3.2960
8U	-0.0490	45U	-0.0252	82U	-0.0013	119	0.0257	156	0.1259	193	0.6643	230	3.4449
9U	-0.0483	46U	-0.0245	83U	-0.0007	120	0.0272	157	0.1322	194	0.6953	231	3.5939
10U	-0.0477	47U	-0.0239	84U	-0.0001	121	0.0287	158	0.1384	195	0.7264	232	3.7429
11U	-0.0470	48U	-0.0232	85U	0.0006	122	0.0302	159	0.1446	196	0.7575	233	3.8918
12U	-0.0464	49U	-0.0226	86U	0.0012	123	0.0317	160	0.1509	197	0.7886	234	4.0408
13U	-0.0458	50U	-0.0219	87U	0.0019	124	0.0332	161	0.1571	198	0.8196	235	4.1897
14U	-0.0451	51U	-0.0213	88U	0.0025	125	0.0347	162	0.1633	199	0.8507	236	4.3387
15U	-0.0445	52U	-0.0207	89U	0.0032	126	0.0362	163	0.1696	200	0.8818	237	4.4877
16U	-0.0438	53U	-0.0200	90U	0.0038	127	0.0377	164	0.1758	201	0.9128	238	4.6366
17U	-0.0432	54U	-0.0194	91U	0.0045	128	0.0392	165	0.1821	202	0.9439	239	4.7856
18U	-0.0425	55U	-0.0187	92U	0.0051	129	0.0407	166	0.1883	203	0.9750	240	4.9346
19U	-0.0419	56U	-0.0181	93U	0.0057	130	0.0422	167	0.1945	204	1.0118	241	5.1776
20U	-0.0413	57U	-0.0174	94U	0.0064	131	0.0437	168	0.2018	205	1.0725	242	5.4943
21U	-0.0406	58U	-0.0168	95U	0.0070	132	0.0452	169	0.2170	206	1.1331	243	5.8111
22U	-0.0400	59U	-0.0161	96U	0.0077	133	0.0467	170	0.2321	207	1.1937	244	6.1278
23U	-0.0393	60U	-0.0155	97U	0.0083	134	0.0481	171	0.2472	208	1.2543	245	6.4445
24U	-0.0387	61U	-0.0149	98U	0.0090	135	0.0496	172	0.2623	209	1.3149	246	6.7612
25U	-0.0380	62U	-0.0142	99U	0.0096	136	0.0523	173	0.2775	210	1.3756	247	7.0779
26U	-0.0374	63U	-0.0136	100	0.0102	137	0.0553	174	0.2926	211	1.4362	248	7.3946
27U	-0.0367	64U	-0.0129	101	0.0109	138	0.0583	175	0.3077	212	1.4968	249	7.7113
28U	-0.0361	65U	-0.0123	102	0.0115	139	0.0613	176	0.3228	213	1.5574	250	8.0280
29U	-0.0355	66U	-0.0116	103	0.0122	140	0.0643	177	0.3380	214	1.6181	251	8.3447
30U	-0.0348	67U	-0.0110	104	0.0128	141	0.0673	178	0.3531	215	1.6787	252	8.6615
31U	-0.0342	68U	-0.0104	105	0.0135	142	0.0704	179	0.3682	216	1.7393	253	8.9782
32U	-0.0335	69U	-0.0097	106	0.0141	143	0.0734	180	0.3833	217	1.7999	254	9.2949
33U	-0.0329	70U	-0.0091	107	0.0148	144	0.0764	181	0.3985	218	1.8605		
34U	-0.0322	71U	-0.0084	108	0.0154	145	0.0794	182	0.4136	219	1.9212		
35U	-0.0316	72U	-0.0078	109	0.0160	146	0.0824	183	0.4287	220	1.9818		
36U	-0.0310	73U	-0.0071	110	0.0167	147	0.0854	184	0.4438	221	2.1042		
37U	-0.0303	74U	-0.0065	111	0.0173	148	0.0884	185	0.4590	222	2.2532		

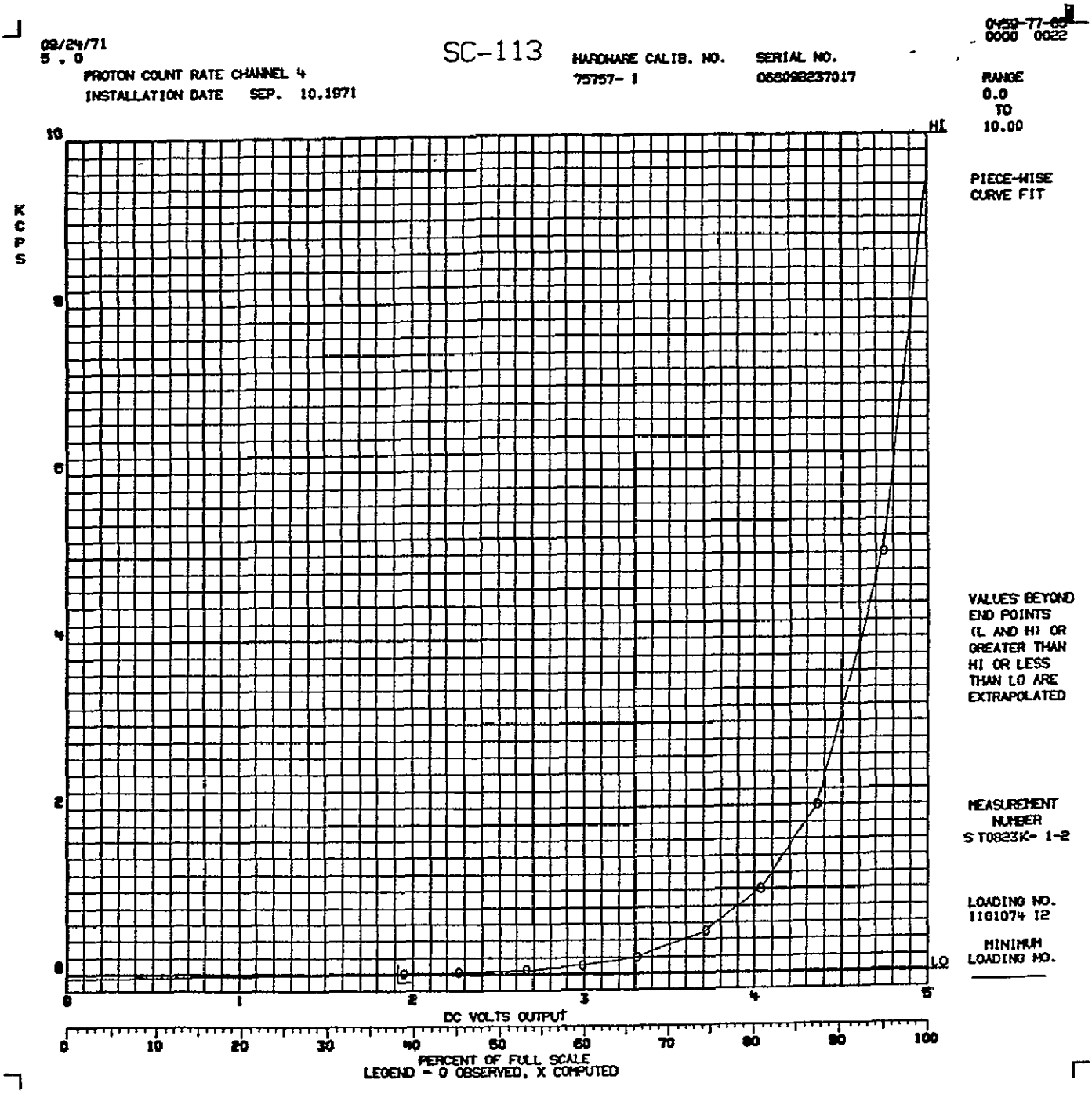
(U --- CURVE UNDEFINED.)


09/24/71
5.0
ALPHA COUNT RATE CHANNEL 1
INSTALLATION DATE SEP. 10,1971
SC-113
HARDWARE CALIB. NO.
75758-1
SERIAL NO.
068098237017
0459-77-65
0000 0023
RANGE
0.0
TO
10.00
PIECE-WISE
CURVE FIT
KCPS
10
8
6
4
2
0
HI
LO
VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0830K- 1-2
LOADING NO.
1102010 12
MINIMUM
LOADING NO.
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0823 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75757- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0532	38U	-0.0295	75U	-0.0059	112	0.0178	149	0.0901	186	0.4581	223	2.2390
2U	-0.0526	39U	-0.0289	76U	-0.0052	113	0.0184	150	0.0931	187	0.4729	224	2.3946
3U	-0.0519	40U	-0.0283	77U	-0.0046	114	0.0191	151	0.0961	188	0.4877	225	2.5502
4U	-0.0513	41U	-0.0276	78U	-0.0040	115	0.0197	152	0.0991	189	0.5053	226	2.7058
5U	-0.0506	42U	-0.0270	79U	-0.0033	116	0.0208	153	0.1043	190	0.5362	227	2.8614
6U	-0.0500	43U	-0.0263	80U	-0.0027	117	0.0223	154	0.1105	191	0.5671	228	3.0171
7U	-0.0494	44U	-0.0257	81U	-0.0020	118	0.0238	155	0.1166	192	0.5980	229	3.1727
8U	-0.0487	45U	-0.0251	82U	-0.0014	119	0.0253	156	0.1227	193	0.6289	230	3.3283
9U	-0.0481	46U	-0.0244	83U	-0.0008	120	0.0268	157	0.1289	194	0.6597	231	3.4839
10U	-0.0474	47U	-0.0238	84U	-0.0001	121	0.0283	158	0.1350	195	0.6906	232	3.6395
11U	-0.0468	48U	-0.0231	85U	0.0005	122	0.0297	159	0.1412	196	0.7215	233	3.7951
12U	-0.0462	49U	-0.0225	86U	0.0012	123	0.0312	160	0.1473	197	0.7524	234	3.9507
13U	-0.0455	50U	-0.0219	87U	0.0018	124	0.0327	161	0.1534	198	0.7833	235	4.1064
14U	-0.0449	51U	-0.0212	88U	0.0024	125	0.0342	162	0.1596	199	0.8141	236	4.2620
15U	-0.0442	52U	-0.0206	89U	0.0031	126	0.0357	163	0.1657	200	0.8450	237	4.4176
16U	-0.0436	53U	-0.0199	90U	0.0037	127	0.0372	164	0.1718	201	0.8759	238	4.5732
17U	-0.0430	54U	-0.0193	91U	0.0044	128	0.0387	165	0.1780	202	0.9068	239	4.7288
18U	-0.0423	55U	-0.0187	92U	0.0050	129	0.0402	166	0.1841	203	0.9376	240	4.8844
19U	-0.0417	56U	-0.0180	93U	0.0056	130	0.0417	167	0.1903	204	0.9685	241	5.0859
20U	-0.0411	57U	-0.0174	94U	0.0063	131	0.0432	168	0.1964	205	0.9994	242	5.4197
21U	-0.0404	58U	-0.0167	95U	0.0069	132	0.0446	169	0.2061	206	1.0596	243	5.7535
22U	-0.0398	59U	-0.0161	96U	0.0076	133	0.0461	170	0.2209	207	1.1205	244	6.0874
23U	-0.0391	60U	-0.0155	97U	0.0082	134	0.0476	171	0.2358	208	1.1813	245	6.4212
24U	-0.0385	61U	-0.0148	98U	0.0088	135	0.0491	172	0.2506	209	1.2421	246	6.7550
25U	-0.0379	62U	-0.0142	99U	0.0095	136	0.0512	173	0.2654	210	1.3029	247	7.0889
26U	-0.0372	63U	-0.0136	100	0.0101	137	0.0542	174	0.2802	211	1.3637	248	7.4227
27U	-0.0366	64U	-0.0129	101	0.0108	138	0.0572	175	0.2951	212	1.4245	249	7.7565
28U	-0.0359	65U	-0.0123	102	0.0114	139	0.0602	176	0.3099	213	1.4853	250	8.0904
29U	-0.0353	66U	-0.0116	103	0.0120	140	0.0632	177	0.3247	214	1.5461	251	8.4242
30U	-0.0347	67U	-0.0110	104	0.0127	141	0.0662	178	0.3395	215	1.6069	252	8.7580
31U	-0.0340	68U	-0.0104	105	0.0133	142	0.0692	179	0.3543	216	1.6677	253	9.0919
32U	-0.0334	69U	-0.0097	106	0.0140	143	0.0722	180	0.3692	217	1.7285	254	9.4257
33U	-0.0327	70U	-0.0091	107	0.0146	144	0.0752	181	0.3840	218	1.7893		
34U	-0.0321	71U	-0.0084	108	0.0152	145	0.0782	182	0.3988	219	1.8502		
35U	-0.0315	72U	-0.0078	109	0.0159	146	0.0812	183	0.4136	220	1.9110		
36U	-0.0308	73U	-0.0072	110	0.0165	147	0.0841	184	0.4285	221	1.9718		
37U	-0.0302	74U	-0.0065	111	0.0171	148	0.0871	185	0.4433	222	2.0834		

(U --- CURVE UNDEFINED.)

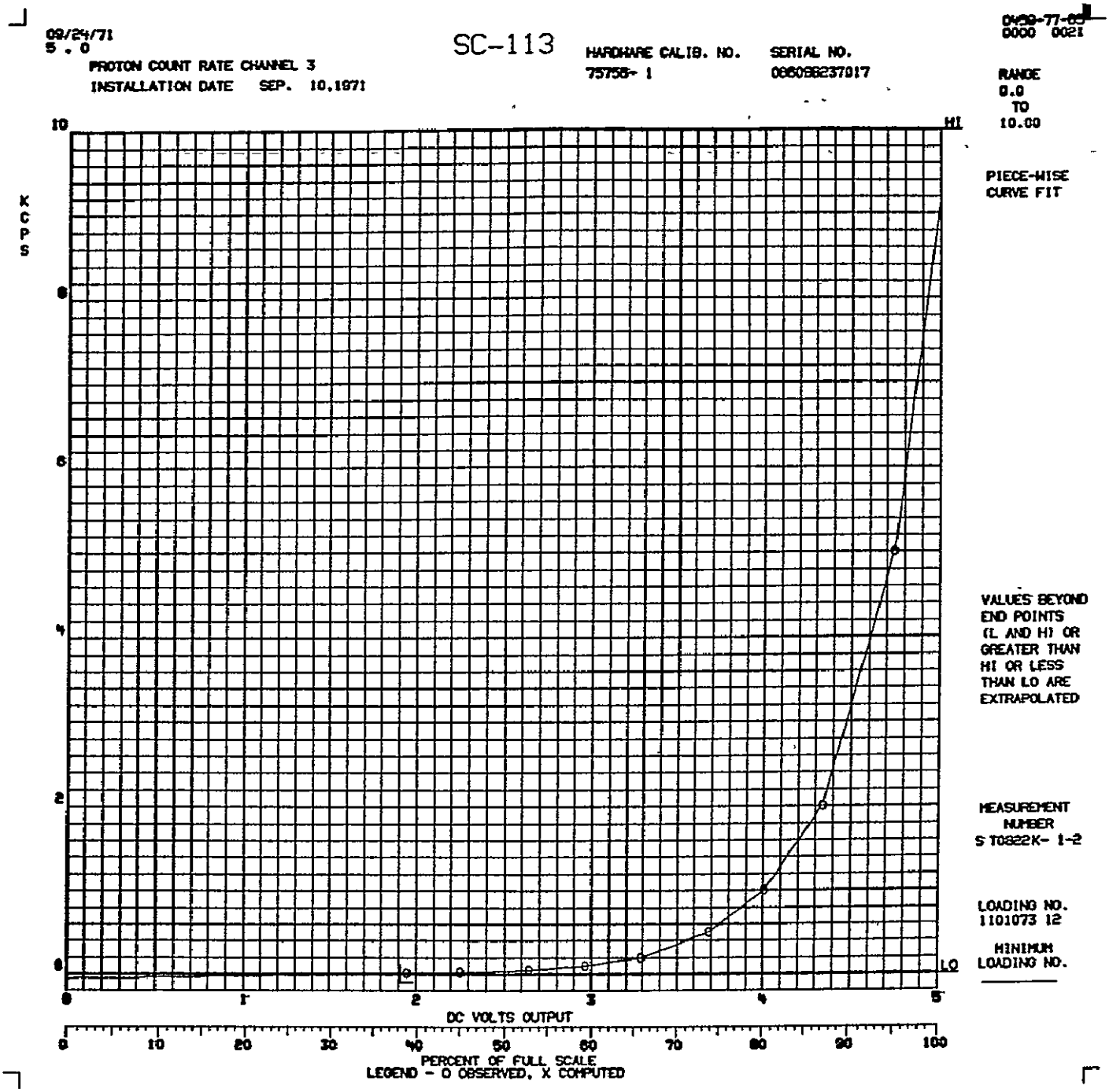

09/24/71
5 , 0
PROTON COUNT RATE CHANNEL 4
INSTALLATION DATE SEP. 10,1971
SC-113
HARDWARE CALIB. NO.
75757- 1
SERIAL NO.
0680980237017
0000 0022
RANGE
0.0
TO
10.00
PIECE-WISE
CURVE FIT
KCPS
HI
LO
VALUES BEYOND
END POINTS
(L AND HI) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
ST0823K- 1-2
LOADING NO.
1101074 12
MINIMUM
LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0822 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75756- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0548	38U	-0.0305	75U	-0.0062	112	0.0181	149	0.0939	186	0.4789	223	2.3665
2U	-0.0541	39U	-0.0298	76U	-0.0055	113	0.0188	150	0.0969	187	0.4939	224	2.5132
3U	-0.0534	40U	-0.0291	77U	-0.0049	114	0.0194	151	0.0999	188	0.5182	225	2.6600
4U	-0.0528	41U	-0.0285	78U	-0.0042	115	0.0202	152	0.1060	189	0.5491	226	2.8067
5U	-0.0521	42U	-0.0278	79U	-0.0035	116	0.0218	153	0.1121	190	0.5800	227	2.9535
6U	-0.0515	43U	-0.0272	80U	-0.0029	117	0.0233	154	0.1182	191	0.6108	228	3.1002
7U	-0.0508	44U	-0.0265	81U	-0.0022	118	0.0248	155	0.1244	192	0.6417	229	3.2470
8U	-0.0502	45U	-0.0259	82U	-0.0016	119	0.0263	156	0.1305	193	0.6726	230	3.3938
9U	-0.0495	46U	-0.0252	83U	-0.0009	120	0.0279	157	0.1366	194	0.7035	231	3.5405
10U	-0.0488	47U	-0.0245	84U	-0.0003	121	0.0294	158	0.1428	195	0.7344	232	3.6873
11U	-0.0482	48U	-0.0239	85U	0.0004	122	0.0309	159	0.1489	196	0.7652	233	3.8340
12U	-0.0475	49U	-0.0232	86U	0.0011	123	0.0325	160	0.1551	197	0.7961	234	3.9808
13U	-0.0469	50U	-0.0226	87U	0.0017	124	0.0340	161	0.1612	198	0.8270	235	4.1275
14U	-0.0462	51U	-0.0219	88U	0.0024	125	0.0355	162	0.1673	199	0.8579	236	4.2743
15U	-0.0456	52U	-0.0213	89U	0.0030	126	0.0370	163	0.1735	200	0.8888	237	4.4210
16U	-0.0449	53U	-0.0206	90U	0.0037	127	0.0386	164	0.1796	201	0.9196	238	4.5678
17U	-0.0442	54U	-0.0200	91U	0.0043	128	0.0401	165	0.1857	202	0.9505	239	4.7145
18U	-0.0436	55U	-0.0193	92U	0.0050	129	0.0416	166	0.1919	203	0.9814	240	4.8613
19U	-0.0429	56U	-0.0186	93U	0.0057	130	0.0432	167	0.1980	204	1.0235	241	5.0173
20U	-0.0423	57U	-0.0180	94U	0.0063	131	0.0447	168	0.2101	205	1.0827	242	5.3320
21U	-0.0416	58U	-0.0173	95U	0.0070	132	0.0462	169	0.2251	206	1.1419	243	5.6466
22U	-0.0410	59U	-0.0167	96U	0.0076	133	0.0477	170	0.2400	207	1.2010	244	5.9613
23U	-0.0403	60U	-0.0160	97U	0.0083	134	0.0493	171	0.2549	208	1.2602	245	6.2760
24U	-0.0396	61U	-0.0154	98U	0.0089	135	0.0516	172	0.2699	209	1.3194	246	6.5907
25U	-0.0390	62U	-0.0147	99U	0.0096	136	0.0546	173	0.2848	210	1.3785	247	6.9054
26U	-0.0383	63U	-0.0140	100	0.0102	137	0.0576	174	0.2997	211	1.4377	248	7.2201
27U	-0.0377	64U	-0.0134	101	0.0109	138	0.0606	175	0.3147	212	1.4969	249	7.5348
28U	-0.0370	65U	-0.0127	102	0.0116	139	0.0637	176	0.3296	213	1.5561	250	7.8495
29U	-0.0364	66U	-0.0121	103	0.0122	140	0.0667	177	0.3445	214	1.6152	251	8.1642
30U	-0.0357	67U	-0.0114	104	0.0129	141	0.0697	178	0.3595	215	1.6744	252	8.4789
31U	-0.0351	68U	-0.0108	105	0.0135	142	0.0727	179	0.3744	216	1.7336	253	8.7936
32U	-0.0344	69U	-0.0101	106	0.0142	143	0.0757	180	0.3893	217	1.7927	254	9.1083
33U	-0.0337	70U	-0.0094	107	0.0148	144	0.0788	181	0.4043	218	1.8519		
34U	-0.0331	71U	-0.0088	108	0.0155	145	0.0818	182	0.4192	219	1.9111		
35U	-0.0324	72U	-0.0081	109	0.0162	146	0.0848	183	0.4341	220	1.9703		
36U	-0.0318	73U	-0.0075	110	0.0168	147	0.0878	184	0.4491	221	2.0730		
37U	-0.0311	74U	-0.0068	111	0.0175	148	0.0908	185	0.4640	222	2.2197		

(U --- CURVE UNDEFINED.)

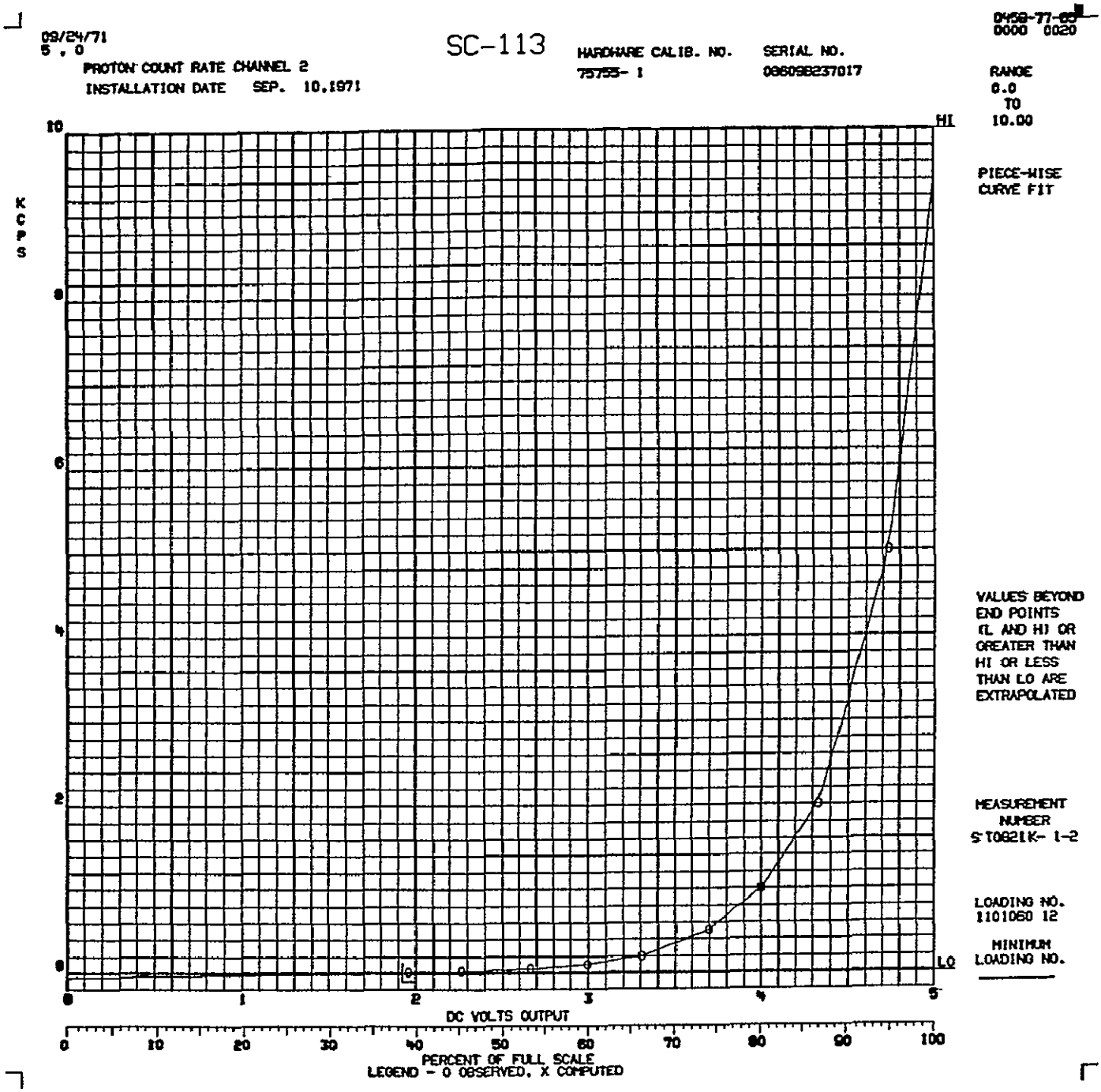
6-804 Change 1


09/24/71
5.0
PROTON COUNT RATE CHANNEL 3
INSTALLATION DATE SEP. 10,1971
SC-113
HARDWARE CALIB. NO.
75758-1
SERIAL NO.
0860982370I7
0459-77-05
0000 0021
RANGE
0.0
TO
10.00
PIECE-WISE
CURVE FIT
KCPS
10
8
6
4
2
0
HI
LO
VALUES BEYOND
END POINTS
(L AND HI OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0822K- 1-2
LOADING NO.
1101073 12
MINIMUM
LOADING NO.
0 1 2 3 4 5
DC VOLTS OUTPUT
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0821 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75755- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0538	38U	-0.0300	75U	-0.0061	112	0.0177	149	0.0899	186	0.4729	223	2.4407
2U	-0.0531	39U	-0.0293	76U	-0.0055	113	0.0183	150	0.0929	187	0.4883	224	2.5875
3U	-0.0525	40U	-0.0287	77U	-0.0049	114	0.0190	151	0.0959	188	0.5075	225	2.7342
4U	-0.0518	41U	-0.0280	78U	-0.0042	115	0.0196	152	0.0990	189	0.5394	226	2.8810
5U	-0.0512	42U	-0.0274	79U	-0.0036	116	0.0206	153	0.1041	190	0.5713	227	3.0278
6U	-0.0506	43U	-0.0267	80U	-0.0029	117	0.0221	154	0.1104	191	0.6031	228	3.1745
7U	-0.0499	44U	-0.0261	81U	-0.0023	118	0.0236	155	0.1167	192	0.6350	229	3.3213
8U	-0.0493	45U	-0.0255	82U	-0.0016	119	0.0251	156	0.1230	193	0.6669	230	3.4680
9U	-0.0486	46U	-0.0248	83U	-0.0010	120	0.0265	157	0.1293	194	0.6988	231	3.6148
10U	-0.0480	47U	-0.0242	84U	-0.0003	121	0.0280	158	0.1356	195	0.7306	232	3.7615
11U	-0.0473	48U	-0.0235	85U	0.0003	122	0.0295	159	0.1419	196	0.7625	233	3.9083
12U	-0.0467	49U	-0.0229	86U	0.0009	123	0.0310	160	0.1482	197	0.7944	234	4.0550
13U	-0.0461	50U	-0.0222	87U	0.0016	124	0.0325	161	0.1545	198	0.8263	235	4.2018
14U	-0.0454	51U	-0.0216	88U	0.0022	125	0.0340	162	0.1608	199	0.8581	236	4.3485
15U	-0.0448	52U	-0.0209	89U	0.0029	126	0.0355	163	0.1671	200	0.8900	237	4.4953
16U	-0.0441	53U	-0.0203	90U	0.0035	127	0.0370	164	0.1734	201	0.9219	238	4.6420
17U	-0.0435	54U	-0.0197	91U	0.0042	128	0.0385	165	0.1797	202	0.9538	239	4.7888
18U	-0.0428	55U	-0.0190	92U	0.0048	129	0.0399	166	0.1859	203	0.9856	240	4.9356
19U	-0.0422	56U	-0.0184	93U	0.0054	130	0.0414	167	0.1922	204	1.0332	241	5.1782
20U	-0.0415	57U	-0.0177	94U	0.0061	131	0.0429	168	0.1985	205	1.0936	242	5.4959
21U	-0.0409	58U	-0.0171	95U	0.0067	132	0.0444	169	0.2118	206	1.1541	243	5.8137
22U	-0.0403	59U	-0.0164	96U	0.0074	133	0.0459	170	0.2271	207	1.2145	244	6.1314
23U	-0.0396	60U	-0.0158	97U	0.0080	134	0.0474	171	0.2425	208	1.2750	245	6.4491
24U	-0.0390	61U	-0.0152	98U	0.0087	135	0.0489	172	0.2579	209	1.3354	246	6.7669
25U	-0.0383	62U	-0.0145	99U	0.0093	136	0.0508	173	0.2732	210	1.3958	247	7.0846
26U	-0.0377	63U	-0.0139	100U	0.0100	137	0.0538	174	0.2886	211	1.4563	248	7.4023
27U	-0.0370	64U	-0.0132	101	0.0106	138	0.0568	175	0.3039	212	1.5167	249	7.7200
28U	-0.0364	65U	-0.0126	102	0.0112	139	0.0598	176	0.3193	213	1.5771	250	8.0378
29U	-0.0358	66U	-0.0119	103	0.0119	140	0.0628	177	0.3347	214	1.6376	251	8.3555
30U	-0.0351	67U	-0.0113	104	0.0125	141	0.0658	178	0.3500	215	1.6980	252	8.6732
31U	-0.0345	68U	-0.0106	105	0.0132	142	0.0688	179	0.3654	216	1.7584	253	8.9910
32U	-0.0338	69U	-0.0100	106	0.0138	143	0.0718	180	0.3807	217	1.8189	254	9.3087
33U	-0.0332	70U	-0.0094	107	0.0145	144	0.0749	181	0.3961	218	1.8793		
34U	-0.0325	71U	-0.0087	108	0.0151	145	0.0779	182	0.4115	219	1.9398		
35U	-0.0319	72U	-0.0081	109	0.0157	146	0.0809	183	0.4268	220	2.0005		
36U	-0.0312	73U	-0.0074	110	0.0164	147	0.0839	184	0.4422	221	2.1472		
37U	-0.0306	74U	-0.0068	111	0.0170	148	0.0869	185	0.4575	222	2.2940		

(U --- CURVE UNDEFINED.)

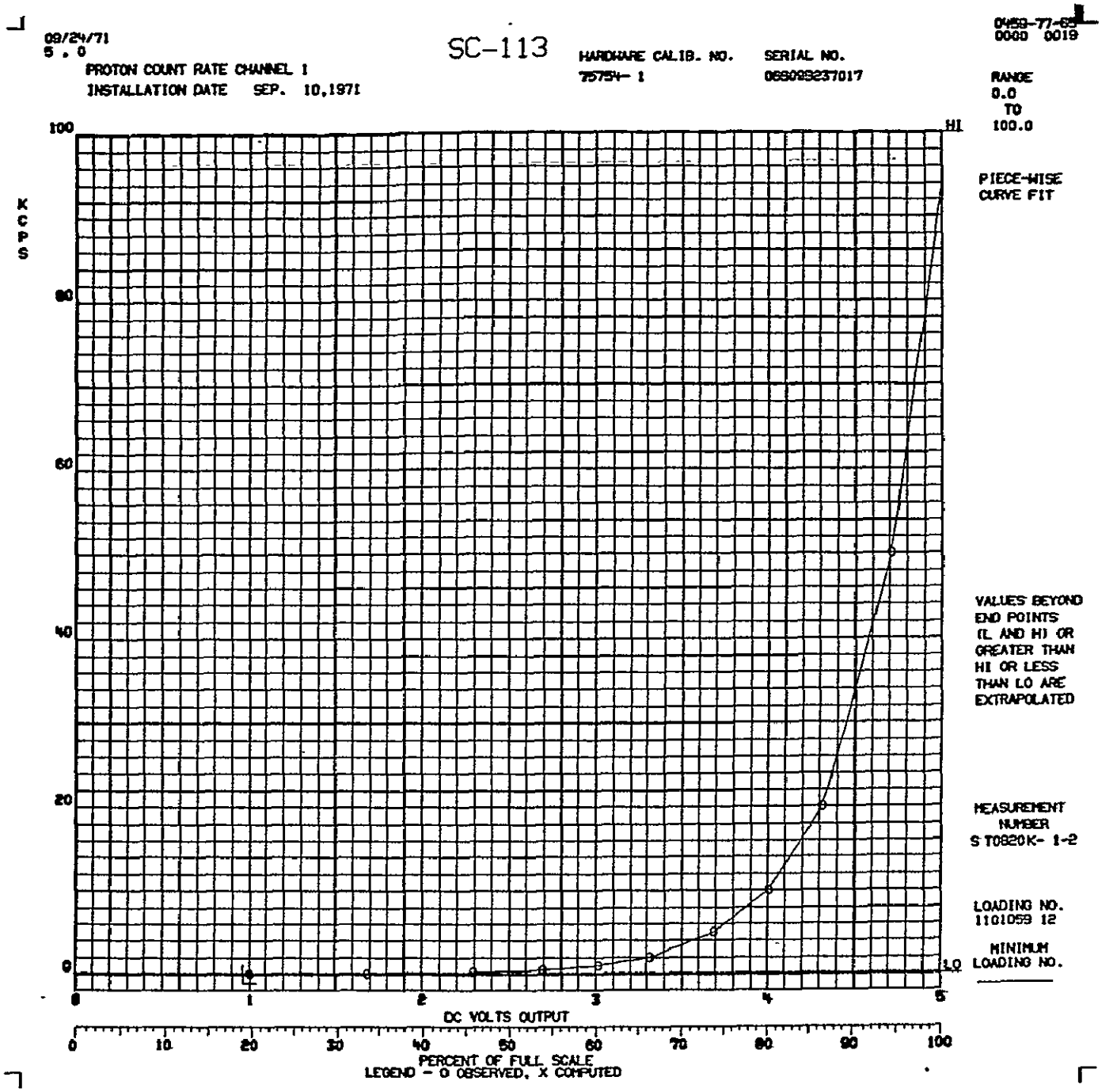

09/24/71
5 , 0
PROTON COUNT RATE CHANNEL 2
INSTALLATION DATE SEP. 10,1971
SC-113
HARDWARE CALIB. NO.
75755- 1
SERIAL NO.
0860982370I7
0000 0020
RANGE
0.0
TO
10.00
PIECE-WISE
CURVE FIT
KCPS
10
8
6
4
2
0
HI
LO
VALUES BEYOND
END POINTS
(L AND HI OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S-T0821K- 1-2
LOADING NO.
1101060 12
MINIMUM
LOADING NO.
0 1 2 3 4 5
DC VOLTS OUTPUT
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 09/24/71
MEASUREMENT S T0820 K - 1. 2. CALIBRATED 9/10/71
HARDWARE NUMBERS 75754- 1.

CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS	CNT	KCPS
1U	-0.0487	38U	-0.0058	75	0.0371	112	0.1758	149	0.8601	186	4.7423	223	25.2941
2U	-0.0476	39U	-0.0047	76	0.0382	113	0.1807	150	0.8908	187	4.9021	224	26.8027
3U	-0.0464	40U	-0.0035	77	0.0394	114	0.1855	151	0.9215	188	5.1219	225	28.3113
4U	-0.0452	41U	-0.0023	78	0.0405	115	0.1904	152	0.9522	189	5.4366	226	29.8199
5U	-0.0441	42U	-0.0012	79	0.0417	116	0.1953	153	0.9828	190	5.7513	227	31.3285
6U	-0.0429	43U	-0.0000	80	0.0429	117	0.2004	154	1.0289	191	6.0659	228	32.8372
7U	-0.0418	44U	0.0011	81	0.0440	118	0.2152	155	1.0943	192	6.3806	229	34.3458
8U	-0.0406	45U	0.0023	82	0.0452	119	0.2299	156	1.1597	193	6.6953	230	35.8544
9U	-0.0394	46U	0.0035	83	0.0463	120	0.2447	157	1.2252	194	7.0100	231	37.3630
10U	-0.0383	47U	0.0046	84	0.0475	121	0.2595	158	1.2906	195	7.3247	232	38.8716
11U	-0.0371	48U	0.0058	85	0.0487	122	0.2743	159	1.3561	196	7.6394	233	40.3802
12U	-0.0360	49U	0.0069	86	0.0498	123	0.2891	160	1.4215	197	7.9541	234	41.8888
13U	-0.0348	50U	0.0081	87	0.0541	124	0.3039	161	1.4869	198	8.2688	235	43.3975
14U	-0.0336	51U	0.0092	88	0.0590	125	0.3186	162	1.5524	199	8.5835	236	44.9061
15U	-0.0325	52	0.0104	89	0.0638	126	0.3334	163	1.6178	200	8.8982	237	46.4147
16U	-0.0313	53	0.0116	90	0.0687	127	0.3482	164	1.6833	201	9.2129	238	47.9233
17U	-0.0302	54	0.0127	91	0.0736	128	0.3630	165	1.7487	202	9.5276	239	49.4319
18U	-0.0290	55	0.0139	92	0.0784	129	0.3778	166	1.8141	203	9.8423	240	51.8390
19U	-0.0278	56	0.0150	93	0.0833	130	0.3926	167	1.8796	204	10.3120	241	54.7886
20U	-0.0267	57	0.0162	94	0.0882	131	0.4074	168	1.9450	205	10.9374	242	57.7383
21U	-0.0255	58	0.0174	95	0.0930	132	0.4221	169	2.0255	206	11.5628	243	60.6880
22U	-0.0244	59	0.0185	96	0.0979	133	0.4369	170	2.1853	207	12.1882	244	63.6377
23U	-0.0232	60	0.0197	97	0.1028	134	0.4517	171	2.3452	208	12.8136	245	66.5874
24U	-0.0221	61	0.0208	98	0.1076	135	0.4665	172	2.5050	209	13.4390	246	69.5370
25U	-0.0209	62	0.0220	99	0.1125	136	0.4813	173	2.6648	210	14.0644	247	72.4867
26U	-0.0197	63	0.0232	100	0.1174	137	0.4961	174	2.8246	211	14.6898	248	75.4364
27U	-0.0186	64	0.0243	101	0.1222	138	0.5225	175	2.9844	212	15.3152	249	78.3861
28U	-0.0174	65	0.0255	102	0.1271	139	0.5532	176	3.1442	213	15.9406	250	81.3357
29U	-0.0163	66	0.0266	103	0.1320	140	0.5839	177	3.3040	214	16.5660	251	84.2854
30U	-0.0151	67	0.0278	104	0.1368	141	0.6146	178	3.4638	215	17.1914	252	87.2351
31U	-0.0139	68	0.0290	105	0.1417	142	0.6453	179	3.6236	216	17.8169	253	90.1848
32U	-0.0128	69	0.0301	106	0.1466	143	0.6760	180	3.7834	217	18.4423	254	93.1345
33U	-0.0116	70	0.0313	107	0.1514	144	0.7067	181	3.9432	218	19.0677		
34U	-0.0105	71	0.0324	108	0.1563	145	0.7373	182	4.1030	219	19.6931		
35U	-0.0093	72	0.0336	109	0.1612	146	0.7680	183	4.2628	220	20.7682		
36U	-0.0081	73	0.0347	110	0.1660	147	0.7987	184	4.4227	221	22.2769		
37U	-0.0070	74	0.0359	111	0.1709	148	0.8294	185	4.5825	222	23.7855		

(U --- CURVE UNDEFINED.)

6-300 Change 1

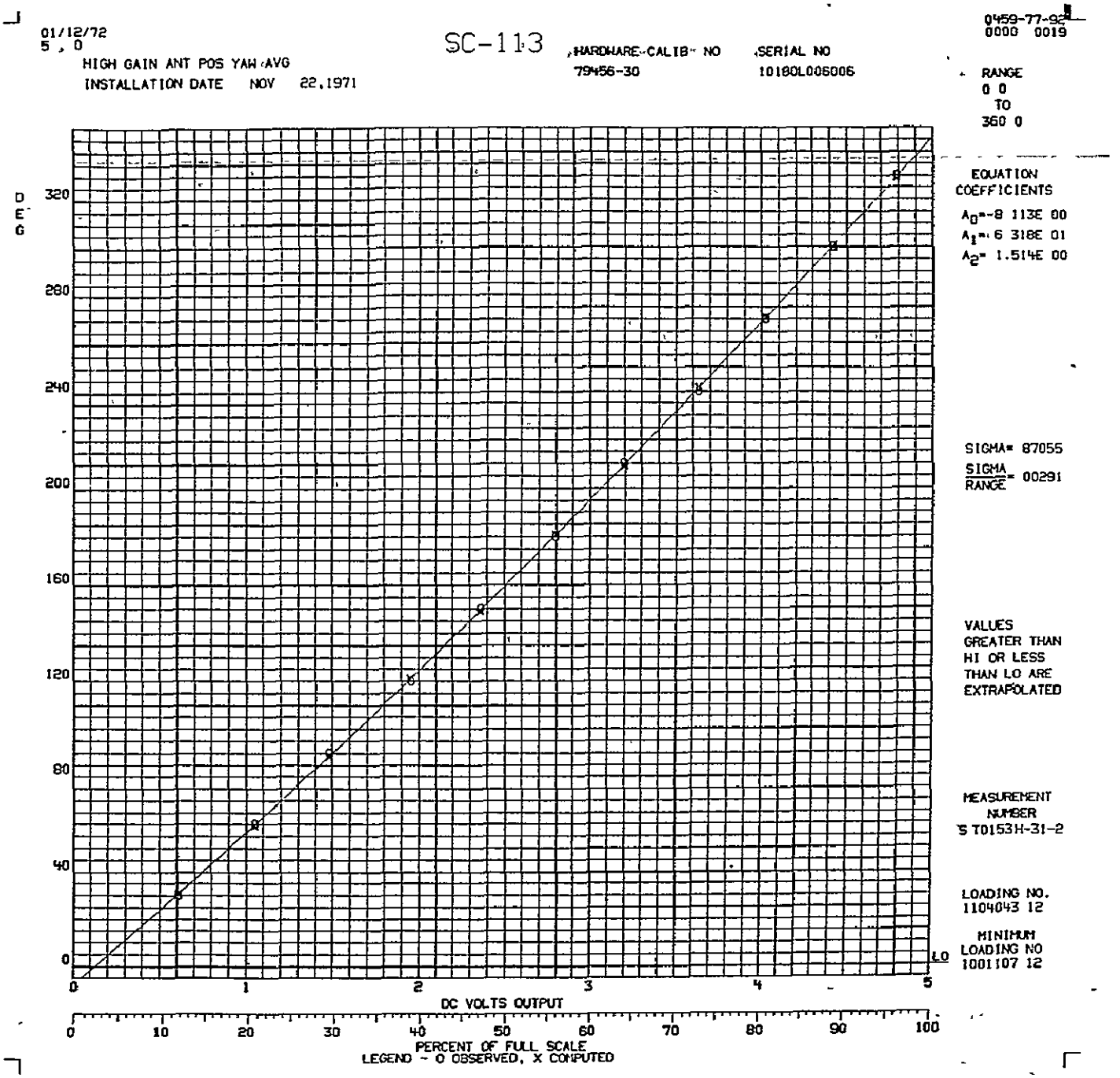

09/24/71
5.0
PROTON COUNT RATE CHANNEL 1
INSTALLATION DATE SEP. 10,1971
SC-113
HARDWARE CALIB. NO.
75754-1
SERIAL NO.
068023237017
0459-77-65
0060 0019
RANGE
0.0
TO
100.0
PIECE-WISE
CURVE FIT
KCPS
100
80
60
40
20
0
HI
LO
VALUES BEYOND
END POINTS
(L AND HI) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0820K-1-2
LOADING NO.
1101059 12
MINIMUM
LOADING NO.
0 1 2 3 4 5
DC VOLTS OUTPUT
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S T0153 H - 31. 2. CALIBRATED 11/22/71
HARDWARE NUMBERS 79456- 30.

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1*	-8.1129	38	38.8921	75	87.5159	112	137.7586	149	189.6199	186	243.1001	223	298.1990
2*	-6.8638	39	40.1850	76	88.8526	113	139.1389	150	191.0441	187	244.5680	224	299.7107
3*	-5.6135	40	41.4790	77	90.1904	114	140.5205	151	192.4694	188	246.0370	225	301.2235
4*	-4.3620	41	42.7743	78	91.5294	115	141.9032	152	193.8959	189	247.5073	226	302.7375
5*	-3.1094	42	44.0707	79	92.8695	116	143.2871	153	195.3235	190	248.9787	227	304.2526
6*	-1.8555	43	45.3683	80	94.2109	117	144.6722	154	196.7524	191	250.4513	228	305.7690
7*	-0.6005	44	46.6671	81	95.5534	118	146.0585	155	198.1824	192	251.9251	229	307.2865
8	0.6557	45	47.9671	82	96.8971	119	147.4460	156	199.6136	193	253.4001	230	308.8052
9	1.9131	46	49.2682	83	98.2420	120	148.8347	157	201.0460	194	254.8762	231	310.3251
10	3.1717	47	50.5705	84	99.5881	121	150.2245	158	202.4796	195	256.3535	232	311.8462
11	4.4315	48	51.8741	85	100.9354	122	151.6155	159	203.9144	196	257.8321	233	313.3685
12	5.6924	49	53.1788	86	102.2838	123	153.0077	160	205.3503	197	259.3118	234	314.8920
13	6.9546	50	54.4846	87	103.6335	124	154.4011	161	206.7875	198	260.7926	235	316.4166
14	8.2179	51	55.7917	88	104.9843	125	155.7957	162	208.2258	199	262.2747	236	317.9424
15	9.4824	52	57.0999	89	106.3363	126	157.1914	163	209.6653	200	263.7580	237	319.4694
16	10.7481	53	58.4094	90	107.6895	127	158.5883	164	211.1060	201	265.2424	238	320.9976
17	12.0149	54	59.7200	91	109.0438	128	159.9864	165	212.5478	202	266.7280	239	322.5269
18	13.2830	55	61.0318	92	110.3994	129	161.3857	166	213.9909	203	268.2148	240	324.0575
19	14.5522	56	62.3447	93	111.7561	130	162.7862	167	215.4351	204	269.7028	241	325.5892
20	15.8226	57	63.6589	94	113.1140	131	164.1879	168	216.8805	205	271.1919	242	327.1221
21	17.0942	58	64.9742	95	114.4731	132	165.5907	169	218.3271	206	272.6823	243	328.6562
22	18.3669	59	66.2908	96	115.8334	133	166.9947	170	219.7749	207	274.1738	244	330.1915
23	19.6409	60	67.6085	97	117.1948	134	168.3999	171	221.2238	208	275.6665	245	331.7280
24	20.9160	61	68.9274	98	118.5575	135	169.8063	172	222.6740	209	277.1604	246	333.2656
25	22.1924	62	70.2474	99	119.9213	136	171.2139	173	224.1253	210	278.6555	247	334.8044
26	23.4699	63	71.5687	100	121.2863	137	172.6227	174	225.5778	211	280.1517	248	336.3444
27	24.7485	64	72.8911	101	122.6525	138	174.0326	175	227.0315	212	281.6492	249	337.8856
28	26.0284	65	74.2147	102	124.0198	139	175.4437	176	228.4864	213	283.1478	250	339.4280
29	27.3095	66	75.5395	103	125.3884	140	176.8560	177	229.9424	214	284.6476	251	340.9715
30	28.5917	67	76.8655	104	126.7581	141	178.2695	178	231.3996	215	286.1486	252	342.5163
31	29.8751	68	78.1927	105	128.1290	142	179.6842	179	232.8581	216	287.6507	253	344.0622
32	31.1597	69	79.5210	106	129.5011	143	181.1000	180	234.3177	217	289.1541	254	345.6093
33	32.4455	70	80.8506	107	130.8744	144	182.5170	181	235.7784	218	290.6586		
34	33.7324	71	82.1813	108	132.2489	145	183.9353	182	237.2404	219	292.1643		
35	35.0206	72	83.5132	109	133.6245	146	185.3547	183	238.7036	220	293.6712		
36	36.3099	73	84.8462	110	135.0013	147	186.7752	184	240.1679	221	295.1793		
37	37.6004	74	86.1805	111	136.3794	148	188.1970	185	241.6334	222	296.6886		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

6-294a Change 11

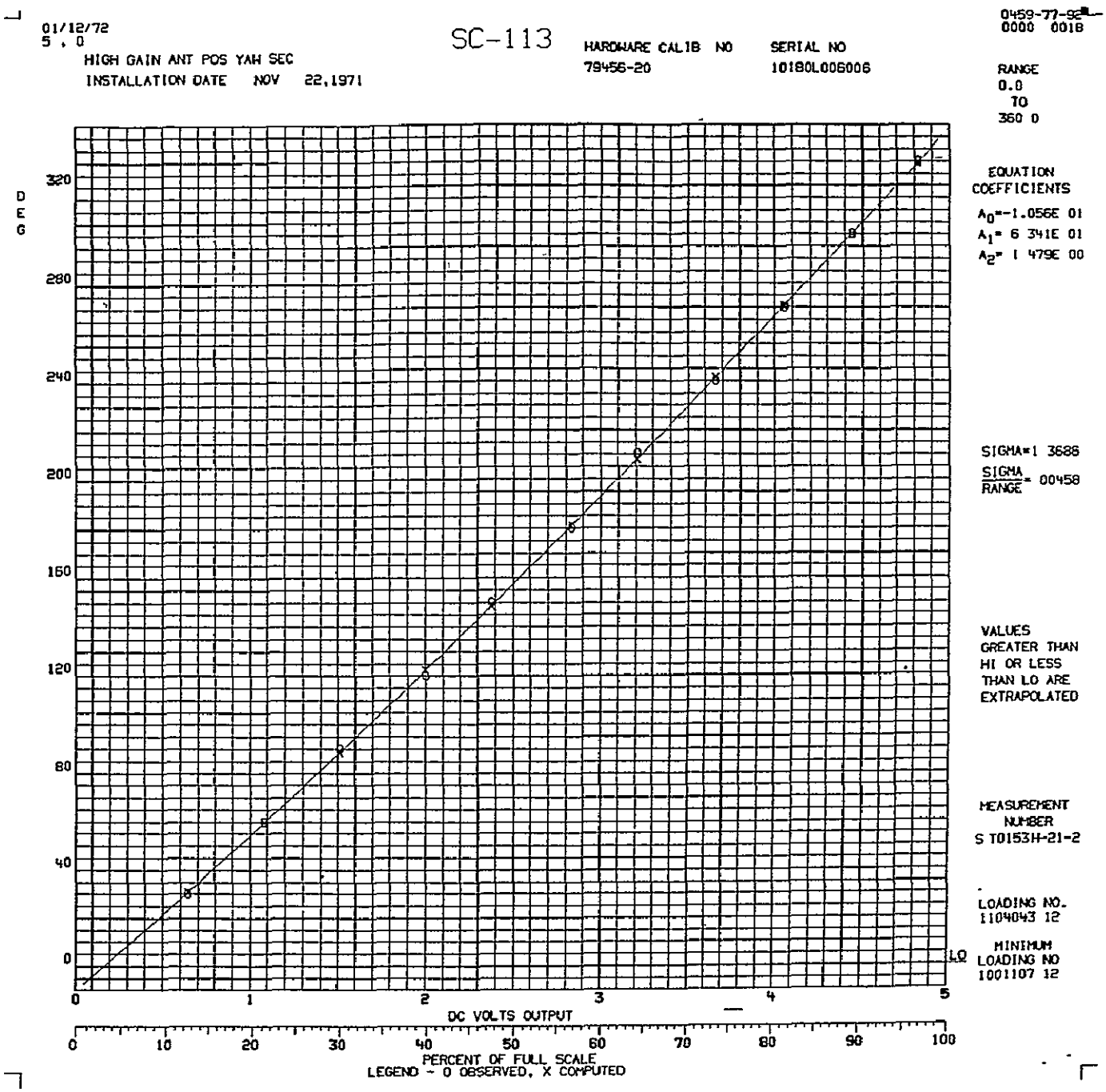

01/12/72
5 , 0
HIGH GAIN ANT POS YAW AVG
INSTALLATION DATE NOV 22,1971
SC-113
HARDWARE CALIB NO
79456-30
SERIAL NO
10180L006006
0459-77-92
0000 0019
RANGE
0 0
TO
360 0
EQUATION
COEFFICIENTS
A0=-8 113E 00
A1= 6 318E 01
A2= 1.514E 00
SIGMA= 87055
SIGMA/RANGE= 00291
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0153H-31-2
LOADING NO.
1104043 12
MINIMUM
LOADING NO
1001107 12
DEG
320
280
240
200
160
120
80
40
0
LO
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S T0153 H - 21. 2. CALIBRATED 11/22/71
HARDWARE NUMBERS 79456- 20.

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1*	-10.5640	38	36.5925	75	85.3302	112	135.6493	149	187.5497	186	241.0313	223	296.0943
2*	-9.3103	39	37.8889	76	86.6694	113	137.0312	150	188.9743	187	242.4987	224	297.6044
3*	-8.0555	40	39.1865	77	88.0098	114	138.4143	151	190.4002	188	243.9673	225	299.1157
4*	-6.7994	41	40.4853	78	89.3513	115	139.7985	152	191.8271	189	245.4370	226	300.6282
5*	-5.5423	42	41.7852	79	90.6939	116	141.1839	153	193.2553	190	246.9079	227	302.1418
6*	-4.2839	43	43.0862	80	92.0377	117	142.5705	154	194.6845	191	248.3799	228	303.6565
7*	-3.0245	44	44.3885	81	93.3827	118	143.9582	155	196.1150	192	249.8530	229	305.1724
8*	-1.7638	45	45.6918	82	94.7288	119	145.3470	156	197.5466	193	251.3274	230	306.6895
9*	-0.5020	46	46.9964	83	96.0761	120	146.7370	157	198.9793	194	252.8029	231	308.2077
10	0.7609	47	48.3021	84	97.4245	121	148.1282	158	200.4132	195	254.2795	232	309.7271
11	2.0250	48	49.6089	85	98.7741	122	149.5205	159	201.8483	196	255.7573	233	311.2476
12	3.2903	49	50.9169	86	100.1248	123	150.9140	160	203.2845	197	257.2362	234	312.7693
13	4.5567	50	52.2260	87	101.4767	124	152.3086	161	204.7218	198	258.7163	235	314.2921
14	5.8243	51	53.5364	88	102.8297	125	153.7044	162	206.1603	199	260.1976	236	315.8161
15	7.0930	52	54.8478	89	104.1839	126	155.1013	163	207.6000	200	261.6800	237	317.3413
16	8.3629	53	56.1604	90	105.5393	127	156.4994	164	209.0409	201	263.1636	238	318.8676
17	9.6339	54	57.4742	91	106.8958	128	157.8987	165	210.4828	202	264.6483	239	320.3950
18	10.9061	55	58.7891	92	108.2535	129	159.2991	166	211.9260	203	266.1342	240	321.9237
19	12.1794	56	60.1052	93	109.6123	130	160.7006	167	213.3703	204	267.6212	241	323.4534
20	13.4539	57	61.4225	94	110.9723	131	162.1033	168	214.8157	205	269.1094	242	324.9844
21	14.7296	58	62.7408	95	112.3334	132	163.5072	169	216.2623	206	270.5987	243	326.5164
22	16.0064	59	64.0604	96	113.6957	133	164.9122	170	217.7101	207	272.0892	244	328.0497
23	17.2844	60	65.3811	97	115.0591	134	166.3184	171	219.1590	208	273.5809	245	329.5841
24	18.5635	61	66.7030	98	116.4237	135	167.7257	172	220.6091	209	275.0737	246	331.1196
25	19.8438	62	68.0260	99	117.7895	136	169.1342	173	222.0603	210	276.5677	247	332.6563
26	21.1252	63	69.3501	100	119.1564	137	170.5439	174	223.5127	211	278.0628	248	334.1942
27	22.4078	64	70.6755	101	120.5244	138	171.9547	175	224.9662	212	279.5591	249	335.7332
28	23.6915	65	72.0019	102	121.8936	139	173.3666	176	226.4209	213	281.0565	250	337.2733
29	24.9764	66	73.3296	103	123.2640	140	174.7797	177	227.8768	214	282.5551	251	338.8147
30	26.2625	67	74.6584	104	124.6355	141	176.1940	178	229.3338	215	284.0548	252	340.3571
31	27.5497	68	75.9883	105	126.0082	142	177.6094	179	230.7919	216	285.5557	253	341.9008
32	28.8380	69	77.3194	106	127.3820	143	179.0260	180	232.2512	217	287.0577	254	343.4456
33	30.1276	70	78.6517	107	128.7570	144	180.4437	181	233.7117	218	288.5609		
34	31.4182	71	79.9851	108	130.1332	145	181.8626	182	235.1733	219	290.0653		
35	32.7101	72	81.3196	109	131.5105	146	183.2826	183	236.6361	220	291.5708		
36	34.0030	73	82.6553	110	132.8889	147	184.7038	184	238.1000	221	293.0775		
37	35.2972	74	83.9922	111	134.2686	148	186.1262	185	239.5651	222	294.5853		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

6-294b Change 1


01/12/72
5 . 0
HIGH GAIN ANT POS YAW SEC
INSTALLATION DATE NOV 22,1971
SC-113
HARDWARE CALIB NO
79456-20
SERIAL NO
10180L006006
0459-77-92
0000 0018
RANGE
0.0
TO
360 0
EQUATION
COEFFICIENTS
A0=-1.056E 01
A1= 6 341E 01
A2= 1 479E 00
SIGMA=1 3688
SIGMA/RANGE= 00458
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0153H-21-2
LOADING NO.
1104043 12
MINIMUM
LOADING NO
1001107 12
DEG
320
280
240
200
160
120
80
40
0
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S T0153 H - 11. 2. CALIBRATED 11/22/71
HARDWARE NUMBERS 79456- 10.

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1*	-8.8991	38	40.8312	75	90.3242	112	140.2945	149	191.4567	186	244.5256	223	300.2158
2*	-7.5457	39	42.1688	76	91.6652	113	141.6583	150	192.8627	187	245.9931	224	301.7640
3*	-6.1930	40	43.5062	77	93.0067	114	143.0231	151	194.2701	188	247.4624	225	303.3147
4*	-4.8410	41	44.8434	78	94.3485	115	144.3887	152	195.6790	189	248.9338	226	304.8678
5*	-3.4896	42	46.1805	79	95.6906	116	145.7553	153	197.0892	190	250.4071	227	306.4234
6*	-2.1389	43	47.5175	80	97.0332	117	147.1228	154	198.5010	191	251.8823	228	307.9816
7*	-0.7888	44	48.8544	81	98.3762	118	148.4913	155	199.9141	192	253.3596	229	309.5422
8	0.5607	45	50.1912	82	99.7197	119	149.8606	156	201.3288	193	254.8388	230	311.1053
9	1.9095	46	51.5280	83	101.0636	120	151.2310	157	202.7450	194	256.3201	231	312.6710
10	3.2579	47	52.8646	84	102.4079	121	152.6024	158	204.1626	195	257.8033	232	314.2392
11	4.6056	48	54.2013	85	103.7528	122	153.9747	159	205.5818	196	259.2887	233	315.8100
12	5.9528	49	55.5379	86	105.0981	123	155.3481	160	207.0025	197	260.7760	234	317.3834
13	7.2994	50	56.8744	87	106.4439	124	156.7224	161	208.4248	198	262.2655	235	318.9593
14	8.6455	51	58.2110	88	107.7902	125	158.0979	162	209.8486	199	263.7570	236	320.5379
15	9.9911	52	59.5476	89	109.1371	126	159.4743	163	211.2740	200	265.2507	237	322.1191
16	11.3363	53	60.8842	90	110.4845	127	160.8519	164	212.7010	201	266.7464	238	323.7029
17	12.6809	54	62.2208	91	111.8325	128	162.2305	165	214.1296	202	268.2443	239	325.2894
18	14.0250	55	63.5575	92	113.1811	129	163.6102	166	215.5598	203	269.7443	240	326.8785
19	15.3687	56	64.8943	93	114.5302	130	164.9911	167	216.9916	204	271.2465	241	328.4703
20	16.7120	57	66.2311	94	115.8799	131	166.3730	168	218.4251	205	272.7508	242	330.0648
21	18.0548	58	67.5681	95	117.2303	132	167.7561	169	219.8603	206	274.2573	243	331.6620
22	19.3972	59	68.9051	96	118.5813	133	169.1404	170	221.2971	207	275.7660	244	333.2619
23	20.7393	60	70.2423	97	119.9329	134	170.5258	171	222.7356	208	277.2770	245	334.8646
24	22.0809	61	71.5796	98	121.2852	135	171.9124	172	224.1758	209	278.7901	246	336.4700
25	23.4222	62	72.9171	99	122.6382	136	173.3002	173	225.6177	210	280.3055	247	338.0781
26	24.7631	63	74.2547	100	123.9918	137	174.6892	174	227.0614	211	281.8232	248	339.6891
27	26.1036	64	75.5925	101	125.3462	138	176.0794	175	228.5068	212	283.3431	249	341.3028
28	27.4439	65	76.9305	102	126.7013	139	177.4709	176	229.9540	213	284.8653	250	342.9193
29	28.7838	66	78.2687	103	128.0571	140	178.8636	177	231.4029	214	286.3898	251	344.5387
30	30.1234	67	79.6071	104	129.4136	141	180.2576	178	232.8537	215	287.9166	252	346.1609
31	31.4627	68	80.9458	105	130.7709	142	181.6529	179	234.3062	216	289.4457	253	347.7859
32	32.8018	69	82.2847	106	132.1290	143	183.0494	180	235.7606	217	290.9771	254	349.4138
33	34.1406	70	83.6239	107	133.4879	144	184.4473	181	237.2167	218	292.5109		
34	35.4792	71	84.9633	108	134.8475	145	185.8465	182	238.6748	219	294.0471		
35	36.8175	72	86.3031	109	136.2080	146	187.2470	183	240.1347	220	295.5857		
36	38.1556	73	87.6431	110	137.5693	147	188.6489	184	241.5964	221	297.1266		
37	39.4935	74	88.9835	111	138.9315	148	190.0521	185	243.0601	222	298.6700		

(* -- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

6-294 Change 1

01/12/72
5 . 0

HIGH GAIN ANT POS YAW PRI
INSTALLATION DATE NOV 22.1971

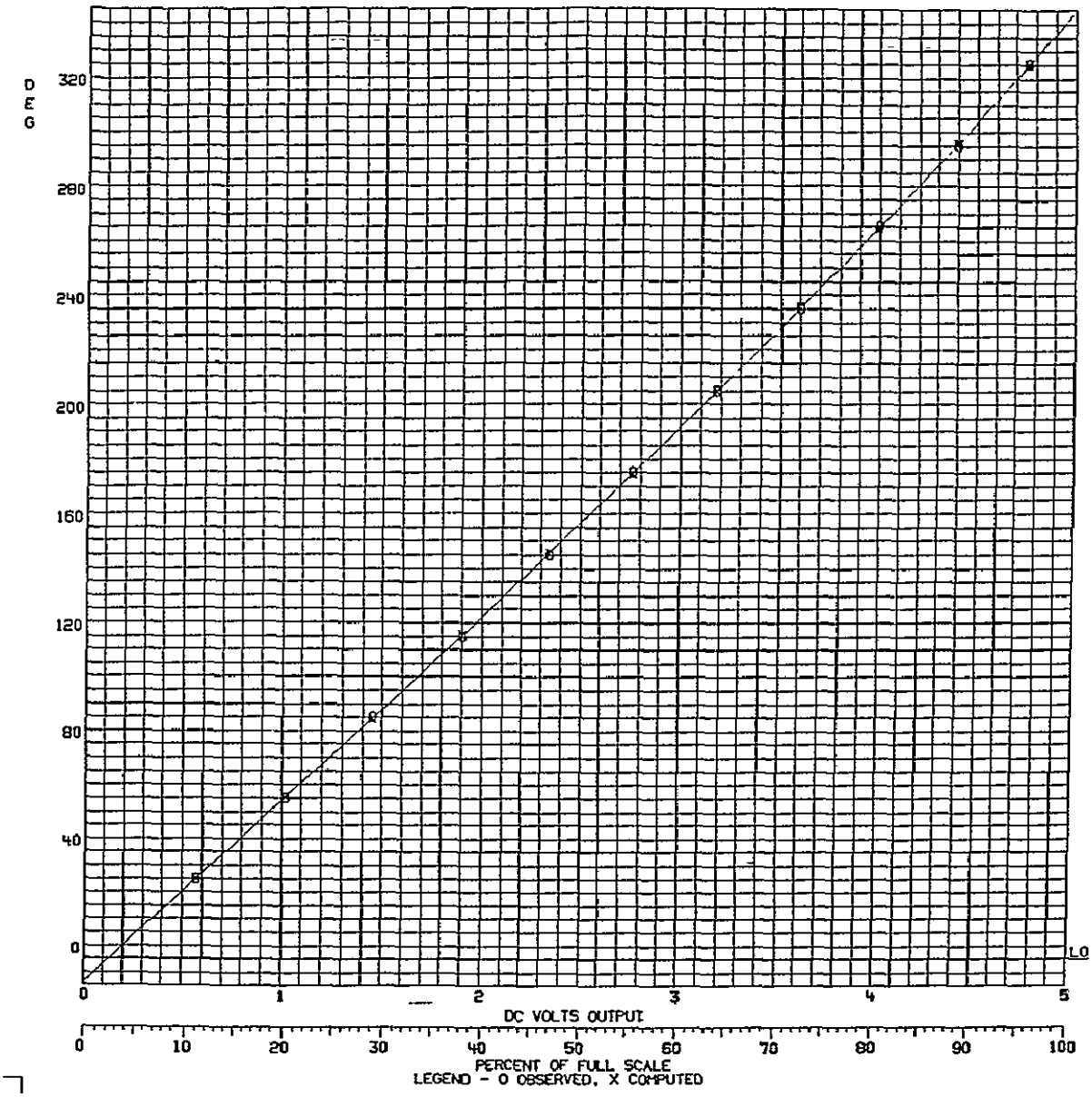
SC-113

HARDWARE CALIB NO
79456-10

SERIAL NO.
10180L006006

0459-77-92
0000 0017

RANGE
0 0
TO
360 0



EQUATION
COEFFICIENTS

A_0=-8 899E 00
A_1= 6 850E 01
A_2=-8 902E-01
A_3= 3 046E-01

SIGMA= 42121

$\frac{SIGMA}{RANGE}$=.00140

VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
S T0153H-11-2

LOADING NO
1104043 12

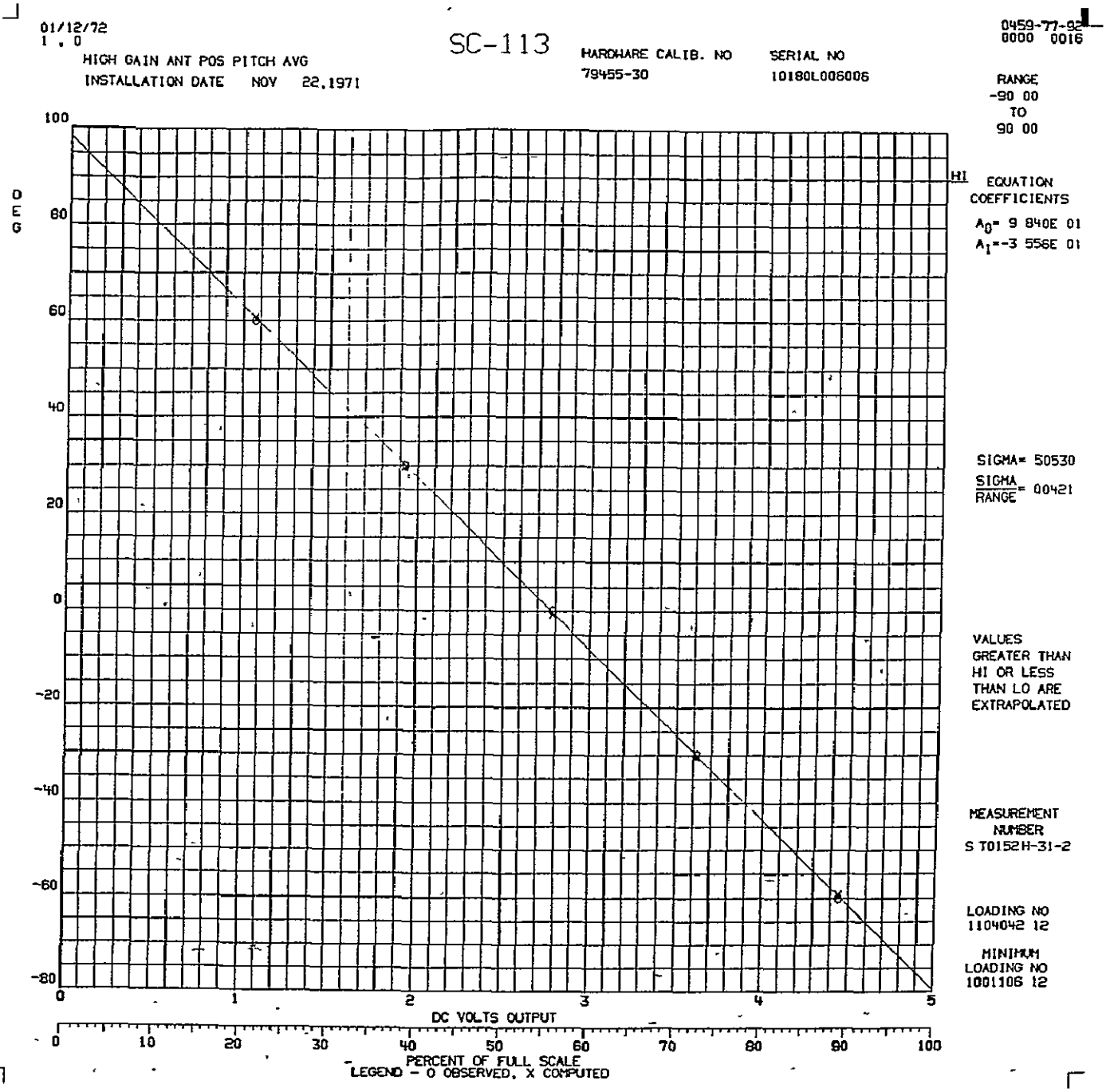
MINIMUM
LOADING NO
1001107 12

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S T0152 H - 31. 2. CALIBRATED 11/22/71
HARDWARE NUMBERS 79455- 30.

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1*	98.4002	38	72.3963	75	46.3925	112	20.3886	149	-5.6153	186	-31.6192	223	-57.6231
2*	97.6974	39	71.6935	76	45.6896	113	19.6858	150	-6.3181	187	-32.3220	224	-58.3259
3*	96.9946	40	70.9907	77	44.9868	114	18.9830	151	-7.0209	188	-33.0248	225	-59.0287
4*	96.2918	41	70.2879	78	44.2840	115	18.2801	152	-7.7237	189	-33.7276	226	-59.7315
5*	95.5890	42	69.5851	79	43.5812	116	17.5773	153	-8.4265	190	-34.4304	227	-60.4343
6*	94.8862	43	68.8823	80	42.8784	117	16.8745	154	-9.1293	191	-35.1332	228	-61.1371
7*	94.1834	44	68.1795	81	42.1756	118	16.1717	155	-9.8322	192	-35.8360	229	-61.8399
8*	93.4806	45	67.4767	82	41.4728	119	15.4689	156	-10.5350	193	-36.5388	230	-62.5427
9*	92.7778	46	66.7739	83	40.7700	120	14.7661	157	-11.2378	194	-37.2417	231	-63.2455
10*	92.0749	47	66.0711	84	40.0672	121	14.0633	158	-11.9406	195	-37.9445	232	-63.9483
11*	91.3721	48	65.3683	85	39.3644	122	13.3605	159	-12.6434	196	-38.6473	233	-64.6511
12*	90.6693	49	64.6654	86	38.6616	123	12.6577	160	-13.3462	197	-39.3501	234	-65.3540
13	89.9665	50	63.9626	87	37.9588	124	11.9549	161	-14.0490	198	-40.0529	235	-66.0568
14	89.2637	51	63.2598	88	37.2560	125	11.2521	162	-14.7518	199	-40.7557	236	-66.7596
15	88.5609	52	62.5570	89	36.5531	126	10.5493	163	-15.4546	200	-41.4585	237	-67.4624
16	87.8581	53	61.8542	90	35.8503	127	9.8465	164	-16.1574	201	-42.1613	238	-68.1652
17	87.1553	54	61.1514	91	35.1475	128	9.1436	165	-16.8602	202	-42.8641	239	-68.8680
18	86.4525	55	60.4486	92	34.4447	129	8.4408	166	-17.5630	203	-43.5669	240	-69.5708
19	85.7497	56	59.7458	93	33.7419	130	7.7380	167	-18.2658	204	-44.2697	241	-70.2736
20	85.0469	57	59.0430	94	33.0391	131	7.0352	168	-18.9687	205	-44.9725	242	-70.9764
21	84.3441	58	58.3402	95	32.3363	132	6.3324	169	-19.6715	206	-45.6753	243	-71.6792
22	83.6413	59	57.6374	96	31.6335	133	5.6296	170	-20.3743	207	-46.3782	244	-72.3820
23	82.9384	60	56.9346	97	30.9307	134	4.9268	171	-21.0771	208	-47.0810	245	-73.0848
24	82.2356	61	56.2318	98	30.2279	135	4.2240	172	-21.7799	209	-47.7838	246	-73.7876
25	81.5328	62	55.5290	99	29.5251	136	3.5212	173	-22.4827	210	-48.4866	247	-74.4905
26	80.8300	63	54.8261	100	28.8223	137	2.8184	174	-23.1855	211	-49.1894	248	-75.1933
27	80.1272	64	54.1233	101	28.1195	138	2.1156	175	-23.8883	212	-49.8922	249	-75.8961
28	79.4244	65	53.4205	102	27.4166	139	1.4128	176	-24.5911	213	-50.5950	250	-76.5989
29	78.7216	66	52.7177	103	26.7138	140	0.7100	177	-25.2939	214	-51.2978	251	-77.3017
30	78.0188	67	52.0149	104	26.0110	141	0.0072	178	-25.9967	215	-52.0006	252	-78.0045
31	77.3160	68	51.3121	105	25.3082	142	-0.6957	179	-26.6995	216	-52.7034	253	-78.7073
32	76.6132	69	50.6093	106	24.6054	143	-1.3985	180	-27.4023	217	-53.4062	254	-79.4101
33	75.9104	70	49.9065	107	23.9026	144	-2.1013	181	-28.1052	218	-54.1090		
34	75.2076	71	49.2037	108	23.1998	145	-2.8041	182	-28.8080	219	-54.8118		
35	74.5048	72	48.5009	109	22.4970	146	-3.5069	183	-29.5108	220	-55.5146		
36	73.8019	73	47.7981	110	21.7942	147	-4.2097	184	-30.2136	221	-56.2175		
37	73.0991	74	47.0953	111	21.0914	148	-4.9125	185	-30.9164	222	-56.9203		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

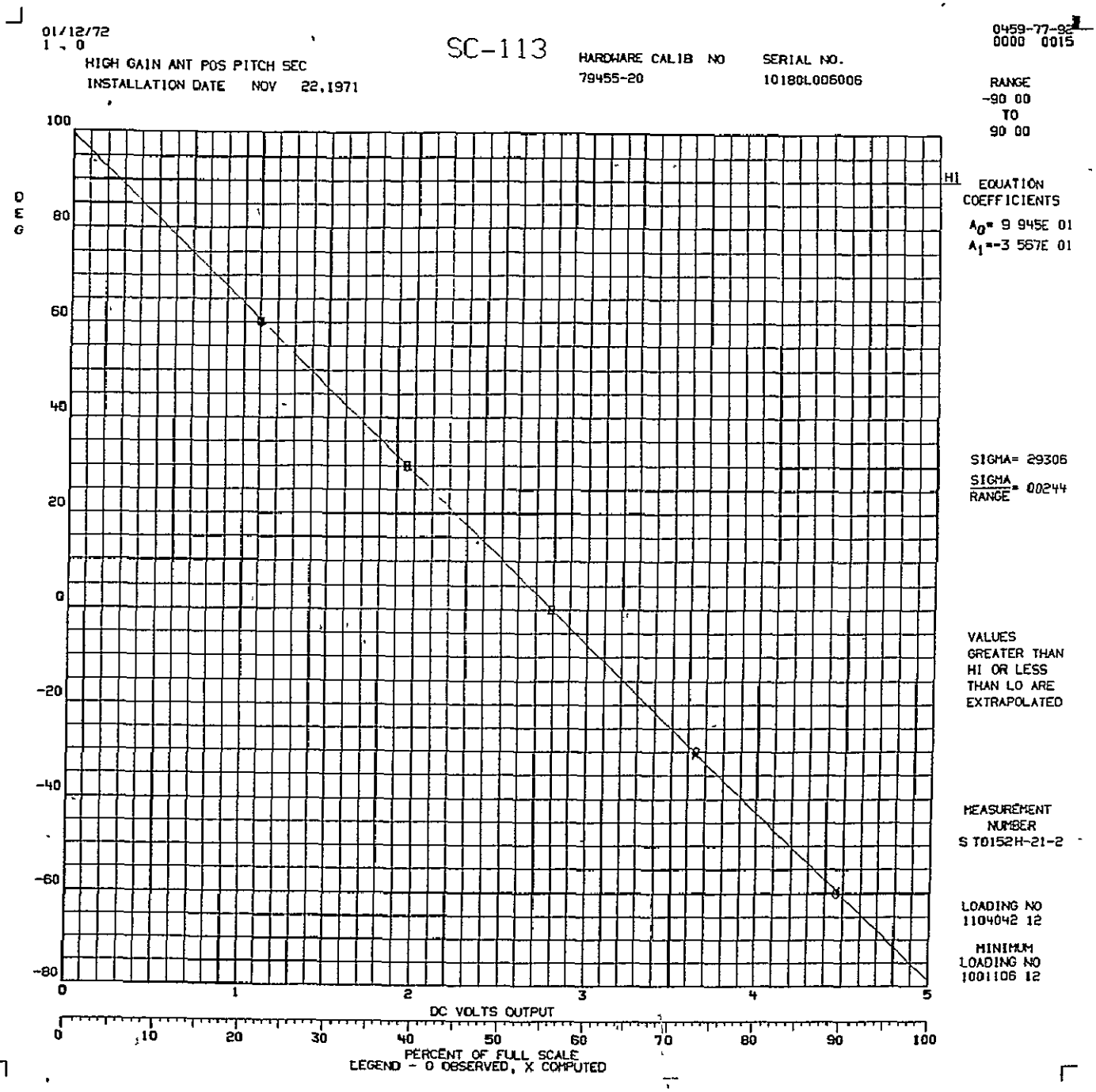
6-2928 Change 1


01/12/72
1 . 0
HIGH GAIN ANT POS PITCH AVG
INSTALLATION DATE NOV 22,1971
SC-113
HARDWARE CALIB. NO
79455-30
SERIAL NO
10180L006006
0459-77-92
0000 0016
RANGE
-90 00
TO
90 00
EQUATION
COEFFICIENTS
A0= 9 840E 01
A1=-3 556E 01
SIGMA= 50530
SIGMA/RANGE= 00421
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0152H-31-2
LOADING NO
1104042 12
MINIMUM
LOADING NO
1001106 12
HI
DEG
100
80
60
40
20
0
-20
-40
-60
-80
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S T0152 H - 21. 2. CALIBRATED 11/22/71
HARDWARE NUMBERS 79455- 20.

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1*	99.4492	38	73.3661	75	47.2829	112	21.1998	149	-4.8833	186	-30.9665	223	-57.0496
2*	98.7443	39	72.6611	76	46.5780	113	20.4948	150	-5.5883	187	-31.6714	224	-57.7546
3*	98.0393	40	71.9562	77	45.8730	114	19.7899	151	-6.2932	188	-32.3764	225	-58.4595
4*	97.3344	41	71.2512	78	45.1681	115	19.0849	152	-6.9982	189	-33.0813	226	-59.1645
5*	96.6294	42	70.5463	79	44.4631	116	18.3800	153	-7.7031	190	-33.7863	227	-59.8694
6*	95.9245	43	69.8413	80	43.7582	117	17.6750	154	-8.4081	191	-34.4912	228	-60.5744
7*	95.2195	44	69.1364	81	43.0532	118	16.9701	155	-9.1130	192	-35.1962	229	-61.2793
8*	94.5146	45	68.4314	82	42.3483	119	16.2651	156	-9.8180	193	-35.9011	230	-61.9843
9*	93.8096	46	67.7265	83	41.6433	120	15.5602	157	-10.5229	194	-36.6061	231	-62.6892
10*	93.1047	47	67.0215	84	40.9384	121	14.8552	158	-11.2279	195	-37.3110	232	-63.3942
11*	92.3997	48	66.3166	85	40.2334	122	14.1503	159	-11.9328	196	-38.0160	233	-64.0991
12*	91.6948	49	65.6116	86	39.5285	123	13.4454	160	-12.6378	197	-38.7209	234	-64.8041
13*	90.9898	50	64.9067	87	38.8235	124	12.7404	161	-13.3427	198	-39.4259	235	-65.5090
14*	90.2849	51	64.2017	88	38.1186	125	12.0355	162	-14.0477	199	-40.1308	236	-66.2140
15	89.5799	52	63.4968	89	37.4136	126	11.3305	163	-14.7526	200	-40.8358	237	-66.9189
16	88.8750	53	62.7918	90	36.7087	127	10.6256	164	-15.4576	201	-41.5407	238	-67.6239
17	88.1700	54	62.0869	91	36.0037	128	9.9206	165	-16.1625	202	-42.2457	239	-68.3288
18	87.4651	55	61.3819	92	35.2988	129	9.2157	166	-16.8675	203	-42.9506	240	-69.0338
19	86.7601	56	60.6770	93	34.5938	130	8.5107	167	-17.5724	204	-43.6556	241	-69.7387
20	86.0552	57	59.9720	94	33.8889	131	7.8058	168	-18.2774	205	-44.3605	242	-70.4437
21	85.3502	58	59.2671	95	33.1839	132	7.1008	169	-18.9823	206	-45.0655	243	-71.1486
22	84.6453	59	58.5621	96	32.4790	133	6.3959	170	-19.6873	207	-45.7704	244	-71.8536
23	83.9403	60	57.8572	97	31.7740	134	5.6909	171	-20.3922	208	-46.4754	245	-72.5585
24	83.2354	61	57.1522	98	31.0691	135	4.9860	172	-21.0972	209	-47.1803	246	-73.2635
25	82.5304	62	56.4473	99	30.3641	136	4.2810	173	-21.8021	210	-47.8853	247	-73.9684
26	81.8255	63	55.7423	100	29.6592	137	3.5761	174	-22.5071	211	-48.5902	248	-74.6734
27	81.1205	64	55.0374	101	28.9542	138	2.8711	175	-23.2120	212	-49.2952	249	-75.3783
28	80.4156	65	54.3324	102	28.2493	139	2.1662	176	-23.9170	213	-50.0001	250	-76.0833
29	79.7106	66	53.6275	103	27.5443	140	1.4612	177	-24.6219	214	-50.7051	251	-76.7882
30	79.0057	67	52.9225	104	26.8394	141	0.7563	178	-25.3269	215	-51.4100	252	-77.4932
31	78.3007	68	52.2176	105	26.1344	142	0.0513	179	-26.0318	216	-52.1150	253	-78.1981
32	77.5958	69	51.5126	106	25.4295	143	-0.6536	180	-26.7368	217	-52.8199	254	-78.9031
33	76.8908	70	50.8077	107	24.7245	144	-1.3586	181	-27.4417	218	-53.5249		
34	76.1859	71	50.1027	108	24.0196	145	-2.0635	182	-28.1467	219	-54.2298		
35	75.4809	72	49.3978	109	23.3146	146	-2.7685	183	-28.8516	220	-54.9348		
36	74.7760	73	48.6928	110	22.6097	147	-3.4734	184	-29.5566	221	-55.6397		
37	74.0710	74	47.9879	111	21.9047	148	-4.1784	185	-30.2615	222	-56.3447		

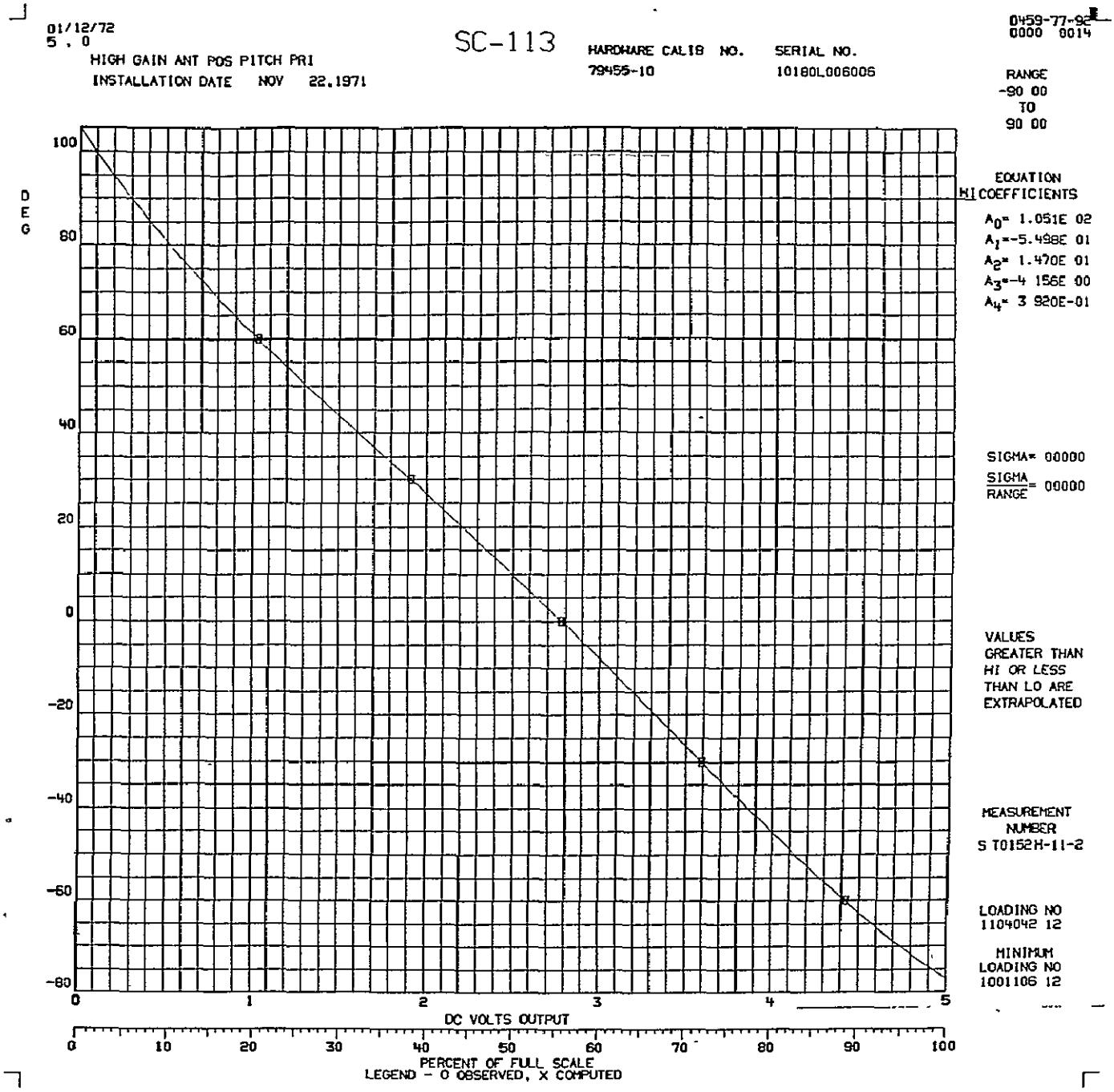
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


01/12/72
1 . 0
SC-113
HIGH GAIN ANT POS PITCH SEC
INSTALLATION DATE NOV 22,1971
HARDWARE CALIB NO
79455-20
SERIAL NO.
10180L006006
0459-77-92
0000 0015
RANGE
-90 00
TO
90 00
HI
EQUATION
COEFFICIENTS
A_0= 9 945E 01
A_1=-3 567E 01
SIGMA= 29306
SIGMA/RANGE= 00244
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0152H-21-2
LOADING NO
1104042 12
MINIMUM
LOADING NO
1001106 12
DEG
100
80
60
40
20
0
-20
-40
-60
-80
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 01/12/72
MEASUREMENT S T0152 H - 11. 2. CALIBRATED 11/22/71
HARDWARE NUMBERS 79455- 10.

CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG	CNT	DEG
1*	105.1401	38	71.2807	75	44.9589	112	20.4593	149	-5.2433	186	-32.4843	223	-58.9092
2*	104.0591	39	70.5019	76	44.2923	113	19.7879	150	-5.9640	187	-33.2260	224	-59.5709
3*	102.9895	40	69.7283	77	43.6269	114	19.1155	151	-6.6859	188	-33.9671	225	-60.2283
4*	101.9310	41	68.9598	78	42.9625	115	18.4419	152	-7.4090	189	-34.7077	226	-60.8814
5*	100.8833	42	68.1962	79	42.2989	116	17.7672	153	-8.1334	190	-35.4476	227	-61.5300
6*	99.8464	43	67.4374	80	41.6362	117	17.0914	154	-8.8590	191	-36.1868	228	-62.1739
7*	98.8201	44	66.6832	81	40.9743	118	16.4144	155	-9.5857	192	-36.9251	229	-62.8131
8*	97.8040	45	65.9336	82	40.3130	119	15.7361	156	-10.3136	193	-37.6626	230	-63.4474
9*	96.7982	46	65.1884	83	39.6524	120	15.0566	157	-11.0426	194	-38.3990	231	-64.0766
10*	95.8023	47	64.4474	84	38.9922	121	14.3759	158	-11.7727	195	-39.1345	232	-64.7007
11*	94.8163	48	63.7106	85	38.3325	122	13.6938	159	-12.5038	196	-39.8687	233	-65.3194
12*	93.8399	49	62.9779	86	37.6732	123	13.0105	160	-13.2359	197	-40.6018	234	-65.9327
13*	92.8729	50	62.2490	87	37.0142	124	12.3258	161	-13.9691	198	-41.3335	235	-66.5404
14*	91.9152	51	61.5239	88	36.3554	125	11.6398	162	-14.7031	199	-42.0638	236	-67.1424
15*	90.9666	52	60.8024	89	35.6968	126	10.9525	163	-15.4381	200	-42.7925	237	-67.7385
16*	90.0269	53	60.0845	90	35.0383	127	10.2638	164	-16.1740	201	-43.5197	238	-68.3286
17	89.0960	54	59.3700	91	34.3799	128	9.5737	165	-16.9106	202	-44.2453	239	-68.9125
18	88.1737	55	58.6588	92	33.7214	129	8.8822	166	-17.6481	203	-44.9690	240	-69.4901
19	87.2598	56	57.9507	93	33.0628	130	8.1893	167	-18.3863	204	-45.6908	241	-70.0612
20	86.3541	57	57.2457	94	32.4040	131	7.4950	168	-19.1252	205	-46.4107	242	-70.6257
21	85.4566	58	56.5437	95	31.7451	132	6.7993	169	-19.8647	206	-47.1285	243	-71.1834
22	84.5669	59	55.8446	96	31.0858	133	6.1022	170	-20.6049	207	-47.8441	244	-71.7342
23	83.6850	60	55.1481	97	30.4263	134	5.4037	171	-21.3456	208	-48.5574	245	-72.2779
24	82.8107	61	54.4543	98	29.7663	135	4.7037	172	-22.0867	209	-49.2683	246	-72.8144
25	81.9438	62	53.7630	99	29.1059	136	4.0023	173	-22.8284	210	-49.9768	247	-73.3435
26	81.0842	63	53.0741	100	28.4451	137	3.2995	174	-23.5704	211	-50.6826	248	-73.8650
27	80.2317	64	52.3875	101	27.7837	138	2.5953	175	-24.3128	212	-51.3857	249	-74.3788
28	79.3862	65	51.7031	102	27.1217	139	1.8896	176	-25.0555	213	-52.0861	250	-74.8847
29	78.5475	66	51.0208	103	26.4590	140	1.1825	177	-25.7984	214	-52.7835	251	-75.3826
30	77.7155	67	50.3405	104	25.7957	141	0.4740	178	-26.5414	215	-53.4778	252	-75.8722
31	76.8899	68	49.6622	105	25.1316	142	-0.2359	179	-27.2846	216	-54.1690	253	-76.3535
32	76.0707	69	48.9856	106	24.4668	143	-0.9471	180	-28.0278	217	-54.8569	254	-76.8262
33	75.2577	70	48.3107	107	23.8012	144	-1.6598	181	-28.7710	218	-55.5415		
34	74.4508	71	47.6375	108	23.1347	145	-2.3738	182	-29.5141	219	-56.2225		
35	73.6498	72	46.9658	109	22.4673	146	-3.0892	183	-30.2571	220	-56.8999		
36	72.8545	73	46.2955	110	21.7989	147	-3.8059	184	-30.9998	221	-57.5736		
37	72.0649	74	45.6266	111	21.1296	148	-4.5240	185	-31.7422	222	-58.2434		

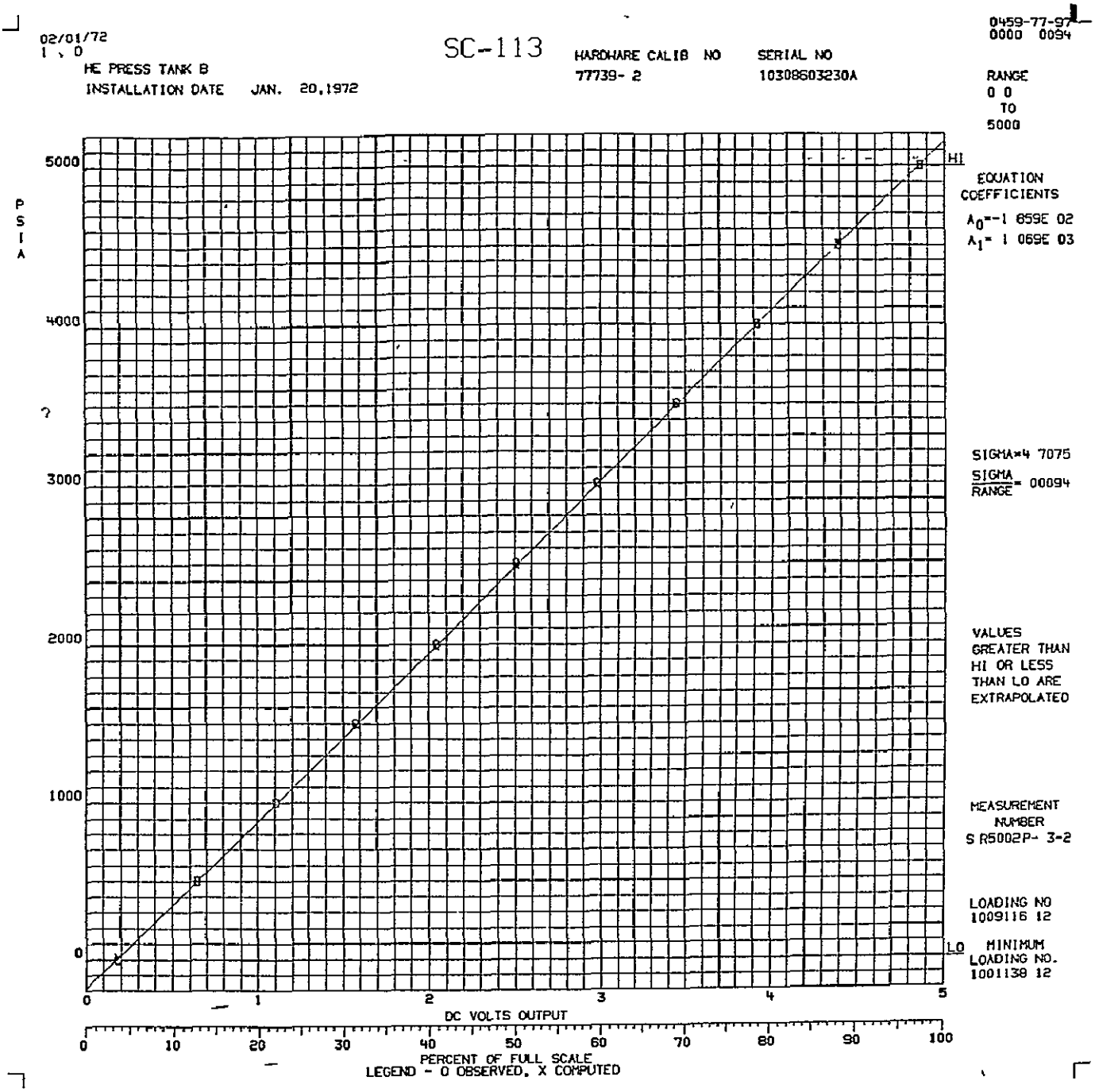
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


01/12/72
5 . 0
HIGH GAIN ANT POS PITCH PRI
INSTALLATION DATE NOV 22,1971
SC-113
HARDWARE CALIB NO.
79455-10
SERIAL NO.
10180L006006
0459-77-92
0000 0014
RANGE
-90 00
TO
90 00
EQUATION
HI COEFFICIENTS
A0= 1.051E 02
A1=-5.498E 01
A2= 1.470E 01
A3=-4 156E 00
A4= 3 920E-01
SIGMA= 00000
SIGMA/RANGE= 00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S T0152H-11-2
LOADING NO
1104042 12
MINIMUM
LOADING NO
1001106 12
DEG
100
80
60
40
20
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-80
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 02/01/72
MEASUREMENT S R5002 P - 3. 2. CALIBRATED 1/20/72
HARDWARE NUMBERS 77739- 2.

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1*	-185.903	38	595.633	75	1377.169	112	2158.706	149	2940.242	186	3721.778	223	4503.314
2*	-164.780	39	616.756	76	1398.292	113	2179.828	150	2961.365	187	3742.901	224	4524.437
3*	-143.658	40	637.878	77	1419.415	114	2200.951	151	2982.487	188	3764.023	225	4545.560
4*	-122.535	41	659.001	78	1440.537	115	2222.074	152	3003.610	189	3785.146	226	4566.682
5*	-101.413	42	680.124	79	1461.660	116	2243.196	153	3024.732	190	3806.269	227	4587.805
6*	-80.290	43	701.246	80	1482.782	117	2264.319	154	3045.855	191	3827.391	228	4608.928
7*	-59.167	44	722.369	81	1503.905	118	2285.441	155	3066.978	192	3848.514	229	4630.050
8*	-38.045	45	743.491	82	1525.028	119	2306.564	156	3088.100	193	3869.636	230	4651.173
9*	-16.922	46	764.614	83	1546.150	120	2327.687	157	3109.223	194	3890.759	231	4672.295
10	4.200	47	785.737	84	1567.273	121	2348.809	158	3130.345	195	3911.882	232	4693.418
11	25.323	48	806.859	85	1588.395	122	2369.932	159	3151.468	196	3933.004	233	4714.541
12	46.446	49	827.982	86	1609.518	123	2391.054	160	3172.591	197	3954.127	234	4735.663
13	67.568	50	849.104	87	1630.641	124	2412.177	161	3193.713	198	3975.249	235	4756.786
14	88.691	51	870.227	88	1651.763	125	2433.300	162	3214.836	199	3996.372	236	4777.908
15	109.813	52	891.350	89	1672.886	126	2454.422	163	3235.958	200	4017.495	237	4799.031
16	130.936	53	912.472	90	1694.008	127	2475.545	164	3257.081	201	4038.617	238	4820.154
17	152.059	54	933.595	91	1715.131	128	2496.667	165	3278.204	202	4059.740	239	4841.276
18	173.181	55	954.717	92	1736.254	129	2517.790	166	3299.326	203	4080.862	240	4862.399
19	194.304	56	975.840	93	1757.376	130	2538.913	167	3320.449	204	4101.985	241	4883.521
20	215.426	57	996.963	94	1778.499	131	2560.035	168	3341.571	205	4123.108	242	4904.644
21	236.549	58	1018.085	95	1799.621	132	2581.158	169	3362.694	206	4144.230	243	4925.767
22	257.672	59	1039.208	96	1820.744	133	2602.280	170	3383.817	207	4165.353	244	4946.889
23	278.794	60	1060.330	97	1841.867	134	2623.403	171	3404.939	208	4186.475	245	4968.012
24	299.917	61	1081.453	98	1862.989	135	2644.526	172	3426.062	209	4207.598	246	4989.134
25	321.039	62	1102.576	99	1884.112	136	2665.648	173	3447.184	210	4228.721	247*	5010.257
26	342.162	63	1123.698	100	1905.234	137	2686.771	174	3468.307	211	4249.843	248*	5031.380
27	363.285	64	1144.821	101	1926.357	138	2707.893	175	3489.430	212	4270.966	249*	5052.502
28	384.407	65	1165.943	102	1947.480	139	2729.016	176	3510.552	213	4292.088	250*	5073.625
29	405.530	66	1187.066	103	1968.602	140	2750.139	177	3531.675	214	4313.211	251*	5094.747
30	426.652	67	1208.189	104	1989.725	141	2771.261	178	3552.797	215	4334.334	252*	5115.870
31	447.775	68	1229.311	105	2010.848	142	2792.384	179	3573.920	216	4355.456	253*	5136.993
32	468.898	69	1250.434	106	2031.970	143	2813.506	180	3595.043	217	4376.579	254*	5158.115
33	490.020	70	1271.556	107	2053.093	144	2834.629	181	3616.165	218	4397.701		
34	511.143	71	1292.679	108	2074.215	145	2855.752	182	3637.288	219	4418.824		
35	532.265	72	1313.802	109	2095.338	146	2876.874	183	3658.410	220	4439.947		
36	553.388	73	1334.924	110	2116.461	147	2897.997	184	3679.533	221	4461.069		
37	574.511	74	1356.047	111	2137.583	148	2919.119	185	3700.656	222	4482.192		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

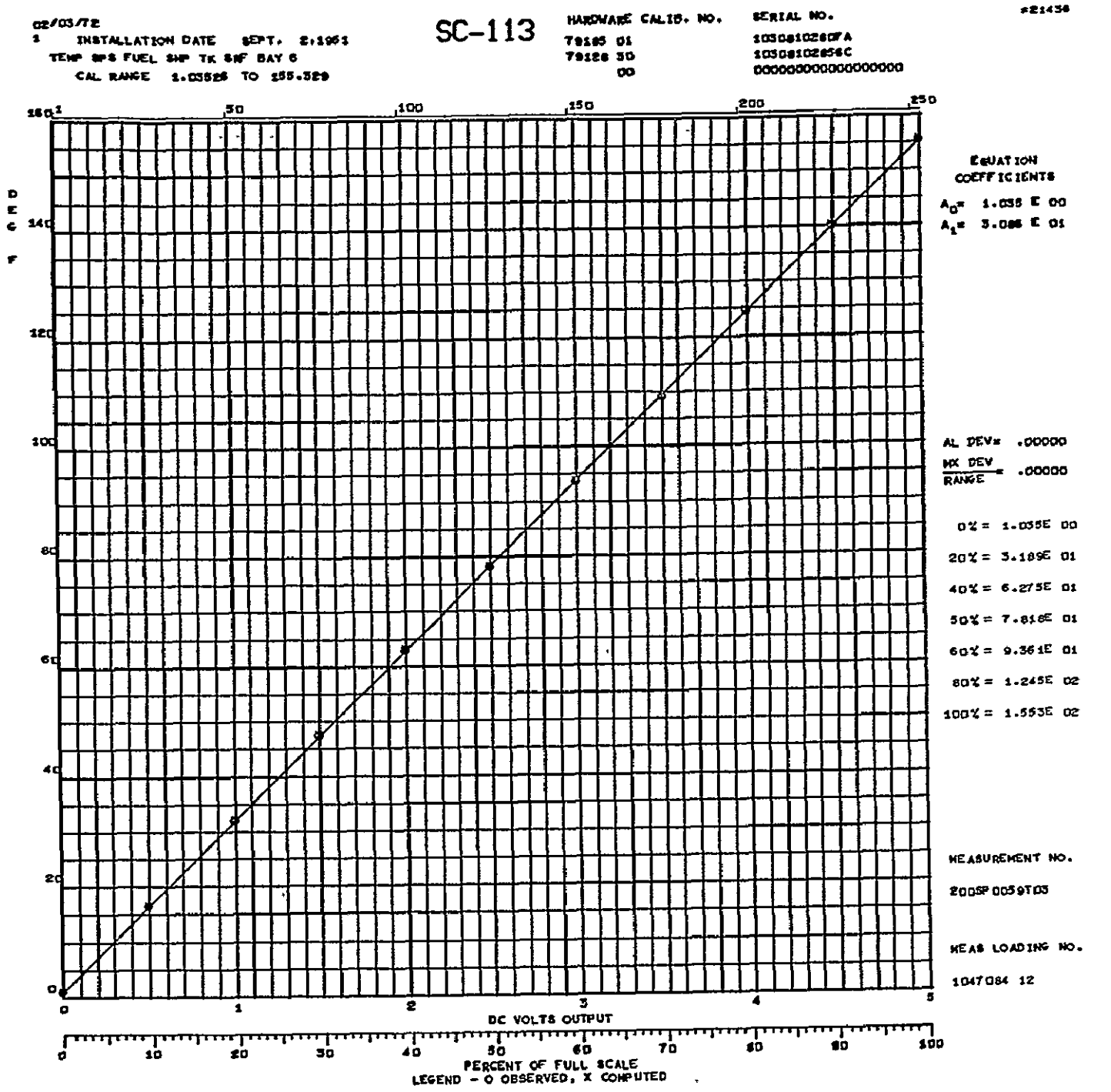

02/01/72
1 , 0
HE PRESS TANK B
INSTALLATION DATE JAN. 20,1972
SC-113
HARDWARE CALIB NO
77739- 2
SERIAL NO
10308603230A
0459-77-97
0000 0094
RANGE
0 0
TO
5000
PSIA
5000
4000
3000
2000
1000
0
HI
LO
EQUATION
COEFFICIENTS
A0=-1 659E 02
A1= 1 069E 03
SIGMA=4 7075
SIGMA/RANGE= 00094
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S R5002P- 3-2
LOADING NO
1009116 12
MINIMUM
LOADING NO.
1001138 12
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

****** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ******

TEMP SPS FUEL SMP TK SRF BAY 6

MEASUREMENT NO. 2005P0C30T05
VEHICLE SC-215
TRANSDUCER SERIAL NO. 10508102807A
SIGNAL CONDITIONER SERIAL NO. 1050810285C
AUXILIARY COMPONENT SERIAL NO. 0000000000000000000
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.055	38	25.600	75	46.165	112	68.729	149	91.294	185	113.859	225	136.425
2	1.645	39	24.210	76	46.775	113	69.339	150	91.904	187	114.469	224	137.053
3	2.255	40	24.820	77	47.384	114	69.949	151	92.514	188	115.078	225	137.643
4	2.855	41	25.430	78	47.994	115	70.559	152	93.124	189	115.688	226	138.253
5	3.475	42	26.059	79	48.604	116	71.159	153	93.733	190	116.298	227	138.863
6	4.085	43	26.649	80	49.214	117	71.779	154	94.343	191	116.908	228	139.473
7	4.694	44	27.259	81	49.824	118	72.389	155	94.953	192	117.518	229	140.083
8	5.304	45	27.869	82	50.434	119	72.998	156	95.563	193	118.128	230	140.692
9	5.914	46	28.479	83	51.044	120	73.608	157	96.173	194	118.738	231	141.302
10	6.524	47	29.089	84	51.653	121	74.218	158	96.785	195	119.347	232	141.912
11	7.134	48	29 699	85	52.263	122	74.828	159	97.393	196	119.957	233	142.522
12	7.744	49	30 308	86	52.873	123	75.438	160	98.002	197	120.567	234	143.132
13	8.354	50	30.918	87	53.483	124	76.048	161	98 612	198	121.177	235	143.742
14	8.953	51	31.528	88	54.093	125	76.658	162	99.222	199	121.787	236	144.352
15	9.573	52	32.138	89	54.703	126	77.267	163	99.832	200	122.397	237	144.961
16	10.183	53	32.748	90	55.313	127	77.877	164	100.442	201	123.007	238	145.571
17	10.793	54	33.358	91	55.922	128	78.487	165	101.052	202	123.616	239	146.181
18	11.403	55	33.968	92	56.532	129	79.097	166	101.662	203	124.226	240	146.791
19	12.013	56	34.577	93	57.142	130	79.707	167	102.271	204	124.835	241	147.401
20	12.623	57	35.187	94	57.752	131	80.317	168	102.881	205	125.446	242	148.011
21	13.232	58	35.797	95	58.362	132	80.927	169	103.491	206	126.056	243	148.621
22	13.842	59	36.407	96	58.972	133	81.536	170	104.101	207	126.666	244	149.231
23	14.452	60	37.017	97	59.582	134	82.146	171	104.711	208	127.276	245	149.840
24	15.062	61	37.627	98	60.191	135	82.756	172	105.321	209	127.886	246	150.450
25	15.672	62	38.237	99	60.801	136	83.366	173	105.931	210	128.496	247	151.060
26	16.282	63	38.846	100	61.411	137	83.976	174	106.540	211	129.105	248	151.670
27	16.892	64	39.456	101	62.021	138	84.586	175	107.150	212	129.715	249	152.280
28	17.501	65	40.066	102	62.631	139	85.196	176	107.760	213	130 325	250	152.890
29	18.111	66	40 676	103	63.241	140	85.805	177	108.370	214	130.935	251	153.500
30	18.721	67	41.286	104	63.851	141	86.415	178	108.980	215	131.545	252	154.109
31	19.331	68	41.896	105	64.460	142	87.025	179	109.590	216	132.154	253	154.719
32	19.941	69	42.506	106	65.070	143	87.635	180	110 200	217	132.764	254	155.329
33	20.551	70	43.115	107	65.680	144	88.245	181	110.809	218	133.374		
34	21.161	71	43.725	108	66.290	145	88.855	182	111.419	219	133.984		
35	21.770	72	44.335	109	66.900	146	89.464	183	112.029	220	134.594		
36	22.380	73	44.945	110	67.510	147	90.074	184	112.639	221	135.204		
37	22.990	74	45.555	111	68.120	148	90.684	185	113.249	222	135.814		


02/03/72
1 INSTALLATION DATE SEPT. 2,1961
TEMP SPS FUEL SMP TK SMF BAY 6
CAL RANGE 1.03525 TO 155.529
SC-113
HARDWARE CALIB. NO.
79195 01
79126 30
00
SERIAL NO.
1030810260FA
1030810265EC
0000000000000000
#21436
EQUATION COEFFICIENTS
A_0= 1.035 E 00
A_1= 3.086 E 01
AL DEV= .00000
MX DEV / RANGE = .00000
0% = 1.035E 00
20% = 3.189E 01
40% = 6.275E 01
50% = 7.816E 01
60% = 9.361E 01
80% = 1.245E 02
100% = 1.553E 02
MEASUREMENT NO.
200SP0059T03
MEAS LOADING NO.
1047084 12
DEGF
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

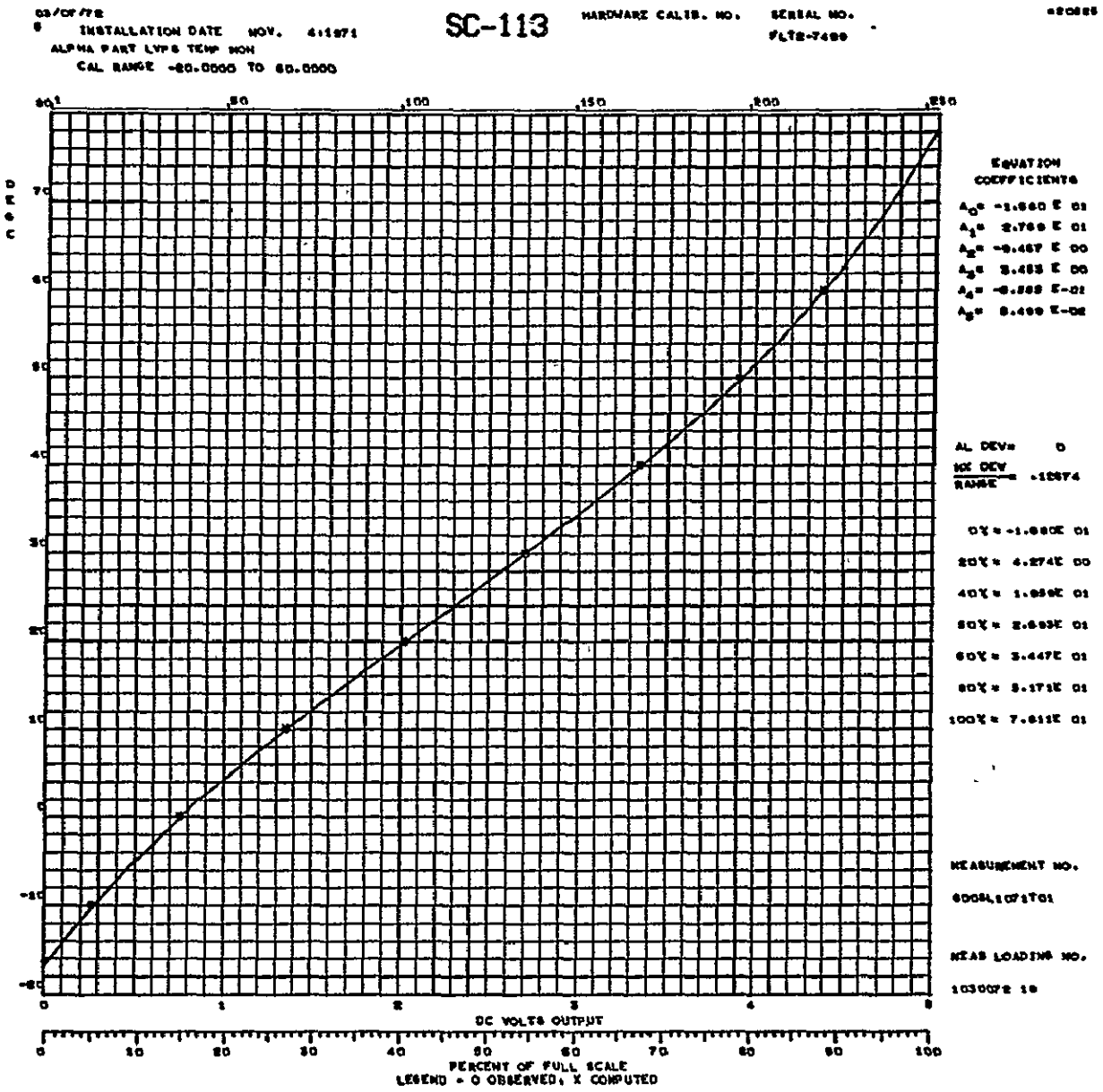
CALIBRATION DATA FOR MEASUREMENT

800SL1070T (DEG F)

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**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART LVPS TEMPERATION

MEASUREMENT NO. 6000L1GP1T01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. FLT2-7499
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-15.796	37	-0.647	73	11 259	109	21.929	145	32 630	181	44 236	217	58 601
2	-15.216	38	-0 278	74	11 573	110	22 222	145	32.936	102	44 615	218	59.059
3	-15.703	39	0 038	75	11.677	111	22 515	147	33 242	183	44.957	219	59 542
4	-15.168	40	0 451	76	12 180	112	22 808	148	33.549	184	45 321	220	60.019
5	-14.640	41	0 811	77	12 482	113	23 101	149	33 857	185	45 677	221	60 502
6	-14.116	42	1.158	78	12 785	114	23 394	150	34.165	105	46.035	222	60 991
7	-13.604	43	1 523	79	13 084	115	23 687	151	34.474	187	46 395	223	61.485
8	-13 088	44	1 875	80	13 384	116	25 981	152	34.765	188	46 758	224	61.984
9	-12 595	45	2 225	81	13 603	117	24.274	153	35.095	189	47.123	225	62.489
10	-12.100	46	2 572	82	13.902	118	24.568	154	35.417	190	47.490	223	63.000
11	-11.611	47	2 917	83	14.200	119	24.862	155	35.720	191	47.850	227	63.517
12	-11.128	48	3 259	84	14 578	120	25.157	156	35.033	102	48.232	228	64.041
13	-10.651	49	3 600	85	14 875	121	25.451	157	36.348	193	48.607	229	64.570
14	-10.180	50	3 938	86	15.172	122	25.746	158	35 663	194	48.985	230	65.105
15	-9 714	51	4.274	87	15.469	123	26 041	159	36.980	195	49 365	231	65 648
16	-9.254	52	4.603	88	15.765	124	26.336	150	37.297	196	49 749	232	66.197
17	-8.799	53	4.941	89	16.060	125	26.632	161	37.616	197	50.135	233	66.753
18	-8.350	54	5 271	90	16.355	126	26.928	162	37.935	198	50 524	234	67.316
19	-7.905	55	5.600	91	16 650	127	27.224	153	38-256	199	50.917	235	67.885
20	-7.466	56	5 927	92	16.945	128	27.521	164	38 578	200	51 312	236	68.464
21	-7.031	57	6.252	93	17.239	129	27.818	165	38.901	201	51.711	237	69 048
22	-6.602	58	6.575	94	17.533	130	28.115	166	39 225	202	52.113	238	69.641
23	-6.176	59	6 897	95	17 827	131	28.412	167	39 551	203	52 518	239	70 241
24	-5.756	60	7.218	96	18.121	132	28.711	168	39.878	204	52.927	240	70 849
25	-5.339	61	7 537	97	18.414	133	29 009	159	40 205	205	53 339	241	71.455
26	-4.927	62	7.854	98	18.708	134	29 308	170	40.535	205	53.755	242	72.009
27	-4.520	63	8.170	99	19 001	135	29.607	171	40.867	207	54.175	243	72.722
28	-4.116	64	8.485	100	19.294	136	29 907	172	41.200	208	54 599	244	73 363
29	-3.715	65	8 799	101	19 587	137	30.208	173	41 534	209	55.025	245	74.014
30	-3 320	66	9.112	102	19 880	138	30 508	174	41.059	210	55.458	246	74.673
31	-2.928	67	9.423	103	20.172	139	30 810	175	42 205	211	55.894	247	75 341
32	-2 539	68	9 733	104	20.465	140	31.112	176	42.545	212	56.334	248	76.018
33	-2.154	69	10 042	105	20.758	141	31.414	177	42.885	213	56.778	249	76 705
34	-1.772	70	10.350	106	21.051	142	31.717	178	43 228	214	57.227	250	77.402
35	-1 394	71	10.657	107	21.343	143	32.021	179	43.572	215	57.680	251	78.109
36	-1.019	72	10.964	108	21.636	144	32 325	180	43.918	216	58.138		

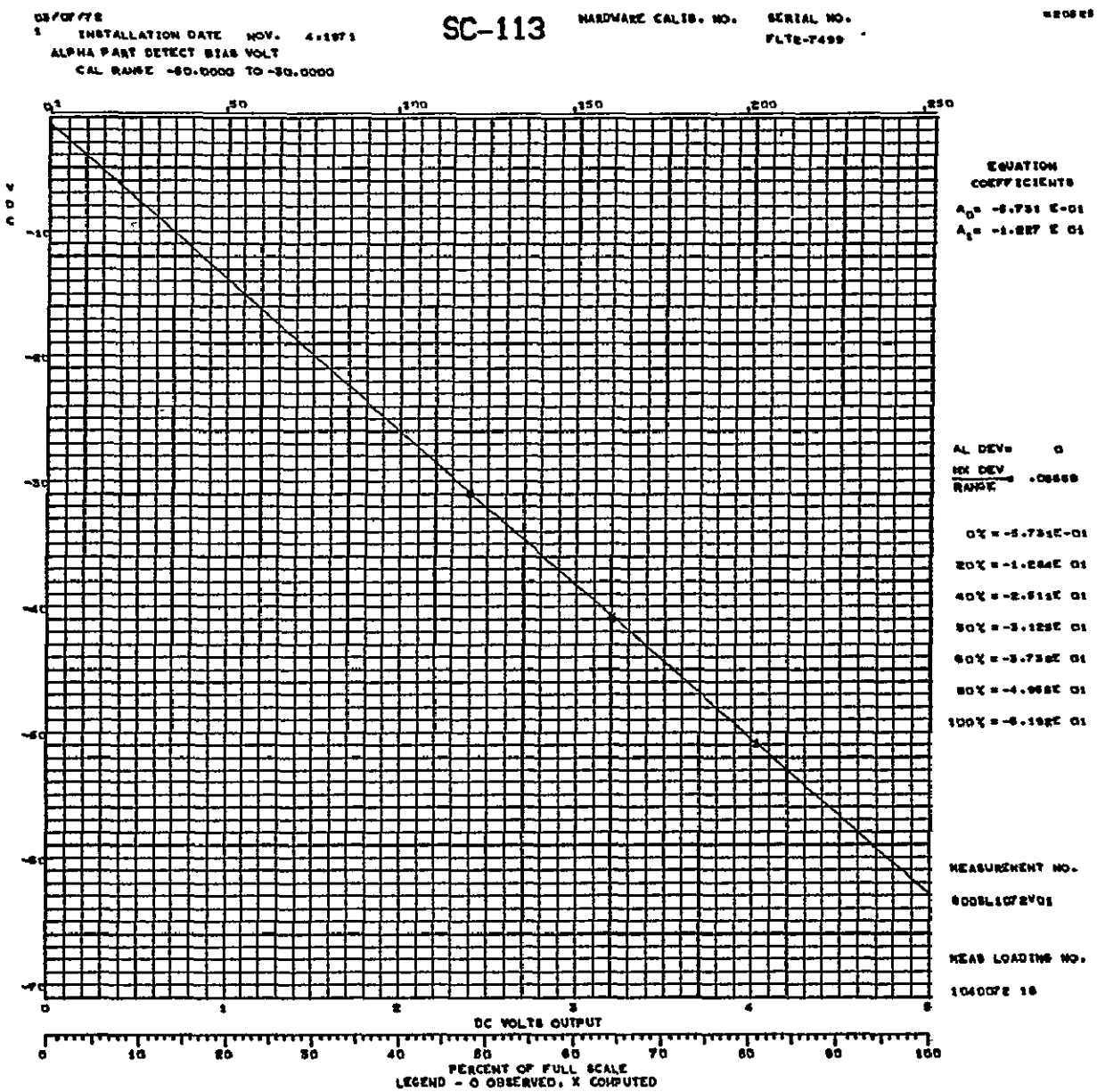
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CALIBRATION DATA FOR MEASUREMENT

800SL1071T (DEG F)

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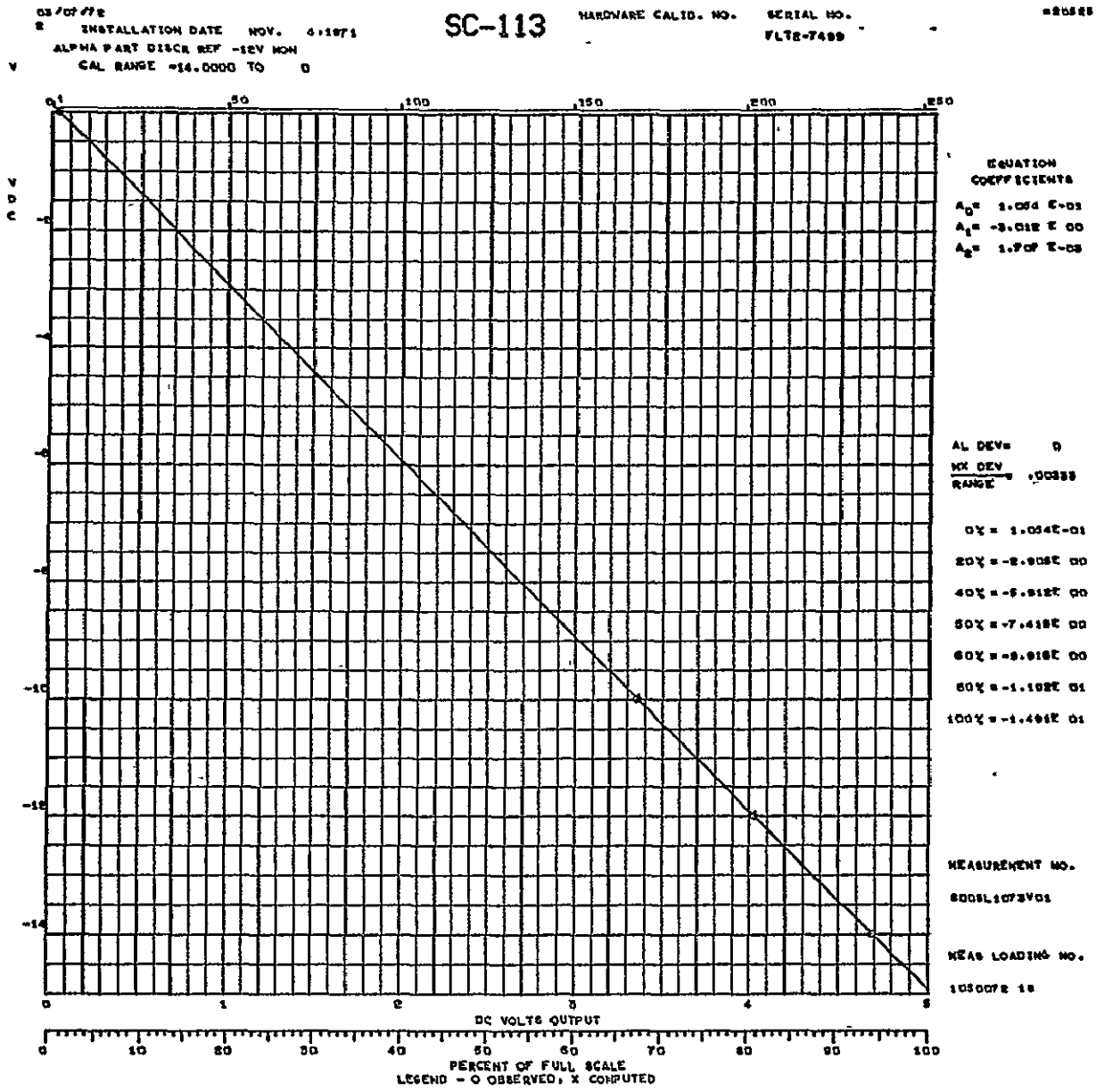
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART DETECT BIAS VOLT

MEASUREMENT NO. 0005L10F2V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. FLT2-7499
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.573	37	-9 407	73	-18.242	109	-27.076	145	-35.910	181	-44.744	217	-53 579
2	-0.818	38	-9.655	74	-18.487	110	-27.321	146	-36.155	182	-44.990	218	-53 824
3	-1.064	39	-9.898	75	-18.732	111	-27.567	147	-36.401	183	-45.235	219	-54.069
4	-1.309	40	-10.144	76	-18.978	112	-27.812	148	-36.645	184	-45.481	220	-54.315
5	-1.555	41	-10.389	77	-19 223	113	-28 057	149	-36.892	185	-45.725	221	-54 560
6	-1.800	42	-10.634	78	-19.469	114	-28 303	150	-37.137	186	-45-971	222	-54 805
7	-2 045	43	-10.880	79	-19 714	115	-28.548	151	-37.382	187	-46-217	223	-55.051
8	-2.291	44	-11.125	80	-19 959	116	-28.794	152	-37.628	188	-46.462	224	-55.296
9	-2.536	45	-11.371	81	-20.205	117	-29.039	153	-37.873	189	-46-707	225	-55 542
10	-2.782	46	-11.616	82	-20.450	118	-29 284	154	-38 119	190	-46.953	226	-55.787
11	-3.027	47	-11.861	83	-20.695	119	-29 530	155	-38 364	191	-47-198	227	-56 033
12	-3.272	48	-12.107	84	-20.941	120	-29 775	156	-38 609	192	-47.444	228	-56.278
13	-3.518	49	-12.352	85	-21 186	121	-30.021	157	-38 855	193	-47.689	229	-56 523
14	-3.763	50	-12.597	86	-21.432	122	-30.266	158	-39.100	194	-47-934	230	-56 769
15	-4.009	51	-12.843	87	-21.677	123	-30.511	159	-39.346	195	-48-180	231	-57.014
16	-4.254	52	-13 088	88	-21 923	124	-30.757	160	-39.591	196	-48.425	232	-57.260
17	-4.499	53	-13 334	89	-22 168	125	-31 002	161	-39.835	197	-48 671	233	-57 505
18	-4.745	54	-13 579	90	-22 413	126	-31 248	162	-40.002	198	-48.915	234	-57.750
19	-4.990	55	-13.824	91	-22.659	127	-31.493	163	-40.327	199	-49.161	235	-57.996
20	-5.236	56	-14.070	92	-22.904	128	-31.738	164	-40.573	200	-49 407	236	-58 241
21	-5.481	57	-14.315	93	-23.149	129	-31 984	165	-40.818	201	-49 652	237	-58 486
22	-5.726	58	-14.561	94	-23 395	130	-32.229	166	-41.063	202	-49.898	238	-58.732
23	-5.972	59	-14.806	95	-23.640	131	-32.475	167	-41.309	203	-50.143	239	-58 977
24	-6.217	60	-15.051	96	-23.885	132	-32.720	168	-41.554	204	-50 388	240	-59 223
25	-6.463	61	-15 297	97	-24.131	133	-32.965	169	-41.800	205	-50.634	241	-59.468
26	-6 708	62	-15.542	98	-24.376	134	-33 211	170	-42.045	206	-50 879	242	-59.713
27	-6.953	63	-15.788	99	-24.622	135	-33 456	171	-42.290	207	-51.125	243	-59 959
28	-7.199	64	-16 033	100	-24.867	136	-33.702	172	-42 536	208	-51.370	244	-60.204
29	-7.444	65	-16 278	101	-25.113	137	-33.947	173	-42.781	209	-51.615	245	-60.450
30	-7.690	66	-16 524	102	-25.358	138	-34.192	174	-43 027	210	-51.861	246	-60 695
31	-7.935	67	-16.769	103	-25.603	139	-34.438	175	-43 272	211	-52 105	247	-60.940
32	-8.180	68	-17.015	104	-25.849	140	-34.683	176	-43 517	212	-52.352	248	-61.186
33	-8.426	69	-17.260	105	-26 094	141	-34.928	177	-43 763	213	-52 597	249	-61.431
34	-8.671	70	-17.505	106	-26 340	142	-35 174	178	-44.008	214	-52 842	250	-61.677
35	-8.917	71	-17.751	107	-26 585	143	-35 419	179	-44 254	215	-53 088	251	-61.922
36	-9.162	72	-17.996	108	-26.830	144	-35 665	180	-44.499	216	-53.333		

0 084 Change 2



8 085 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART DISCR 15F -12V MON

MEASUREMENT NO. F002L10F3V01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. FLT2-7400
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/04/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.105	37	-2 065	73	-4 229	109	-6 393	145	-8 556	181	-10 717	217	-12.878
2	0.045	38	-2 123	74	-4 209	110	-6.453	146	-8 616	182	-10.777	218	-12 938
3	-0.015	39	-2 103	75	-4.349	111	-6.513	147	-8 676	183	-10.837	219	-12.998
4	-0.075	40	-2 243	76	-4.400	112	-6 574	148	-8 735	184	-10.897	220	-13.059
5	-0.135	41	-2 303	77	-4.439	113	-6 634	149	-8.795	185	-10 957	221	-13 119
6	-0.195	42	-2.364	78	-4.530	114	-6 694	150	-8 856	186	-11.017	222	-13.179
7	-0.256	43	-2 424	79	-4.590	115	-6.754	151	-8 916	187	-11.077	223	-13.236
8	-0.316	44	-2.484	80	-4.650	116	-6.814	152	-8.976	188	-11.137	224	-13 300
9	-0.377	45	-2 544	81	-4.710	117	-6 874	153	-9 036	189	-11.197	225	-13.356
10	-0.437	46	-2 604	82	-4.770	118	-6.934	154	-9 096	190	-11 257	226	-13.416
11	-0.497	47	-2.664	83	-4.830	119	-6 994	155	-9 156	191	-11.317	227	-13.475
12	-0.557	48	-2.725	84	-4 890	120	-7 054	156	-9 216	192	-11.377	228	-13.535
13	-0 617	49	-2 785	85	-4.950	121	-7.114	157	-9 276	193	-11 437	229	-13.595
14	-0.678	50	-2.845	86	-5.011	122	-7.174	158	-9 336	194	-11.457	230	-13.655
15	-0.738	51	-2.905	87	-5.071	123	-7.234	159	-9 396	195	-11.557	231	-13.715
16	-0.798	52	-2.965	88	-5.131	124	-7.295	160	-9 456	196	-11 617	232	-13 775
17	-0.858	53	-3.025	89	-5.191	125	-7.355	161	-9 517	197	-11 677	233	-13.835
18	-0.919	54	-3.085	90	-5.251	126	-7.415	162	-9 577	198	-11.737	234	-13 896
19	-0.979	55	-3.145	91	-5.311	127	-7.475	163	-9 637	199	-11.797	235	-13 956
20	-1.039	56	-3.205	92	-5.371	128	-7 535	164	-9 697	200	-11.857	236	-14.015
21	-1.099	57	-3.266	93	-5.431	129	-7.595	165	-9 757	201	-11.917	237	-14 075
22	-1.159	58	-3.326	94	-5.492	130	-7 655	166	-9 817	202	-11.977	238	-14.135
23	-1.220	59	-3.387	95	-5.552	131	-7.715	167	-9 877	203	-12.036	239	-14.195
24	-1.280	60	-3.447	96	-5.612	132	-7.775	168	-9 937	204	-12.096	240	-14.254
25	-1.340	61	-3.507	97	-5.672	133	-7.835	169	-9 997	205	-12.156	241	-14 314
26	-1.400	62	-3 567	98	-5.732	134	-7 896	170	-10 057	206	-12.216	242	-14 374
27	-1.461	63	-3.627	99	-5 792	135	-7.955	171	-10 117	207	-12.276	243	-14.434
28	-1.521	64	-3.687	100	-5.852	136	-8.015	172	-10.177	208	-12.336	244	-14.494
29	-1.581	65	-3 748	101	-5 912	137	-8.075	173	-10 237	209	-12.396	245	-14.554
30	-1.641	66	-3.808	102	-5 972	138	-8.136	174	-10 297	210	-12.456	246	-14 614
31	-1.701	67	-3.868	103	-6 033	139	-8.196	175	-10 357	211	-12 516	247	-14.674
32	-1 762	68	-3.928	104	-6 093	140	-8.256	176	-10 417	212	-12 576	248	-14.734
33	-1.822	69	-3.988	105	-6 153	141	-8.316	177	-10 477	213	-12.636	249	-14.794
34	-1.882	70	-4.048	106	-6 213	142	-8.376	178	-10 537	214	-12 696	250	-14.854
35	-1.942	71	-4.108	107	-6 273	143	-8.436	179	-10 597	215	-12 756	251	-14.913
36	-2.002	72	-4.169	108	-6.333	144	-8.495	180	-10 657	216	-12.816		

0 086 Charge_2

03/07/72

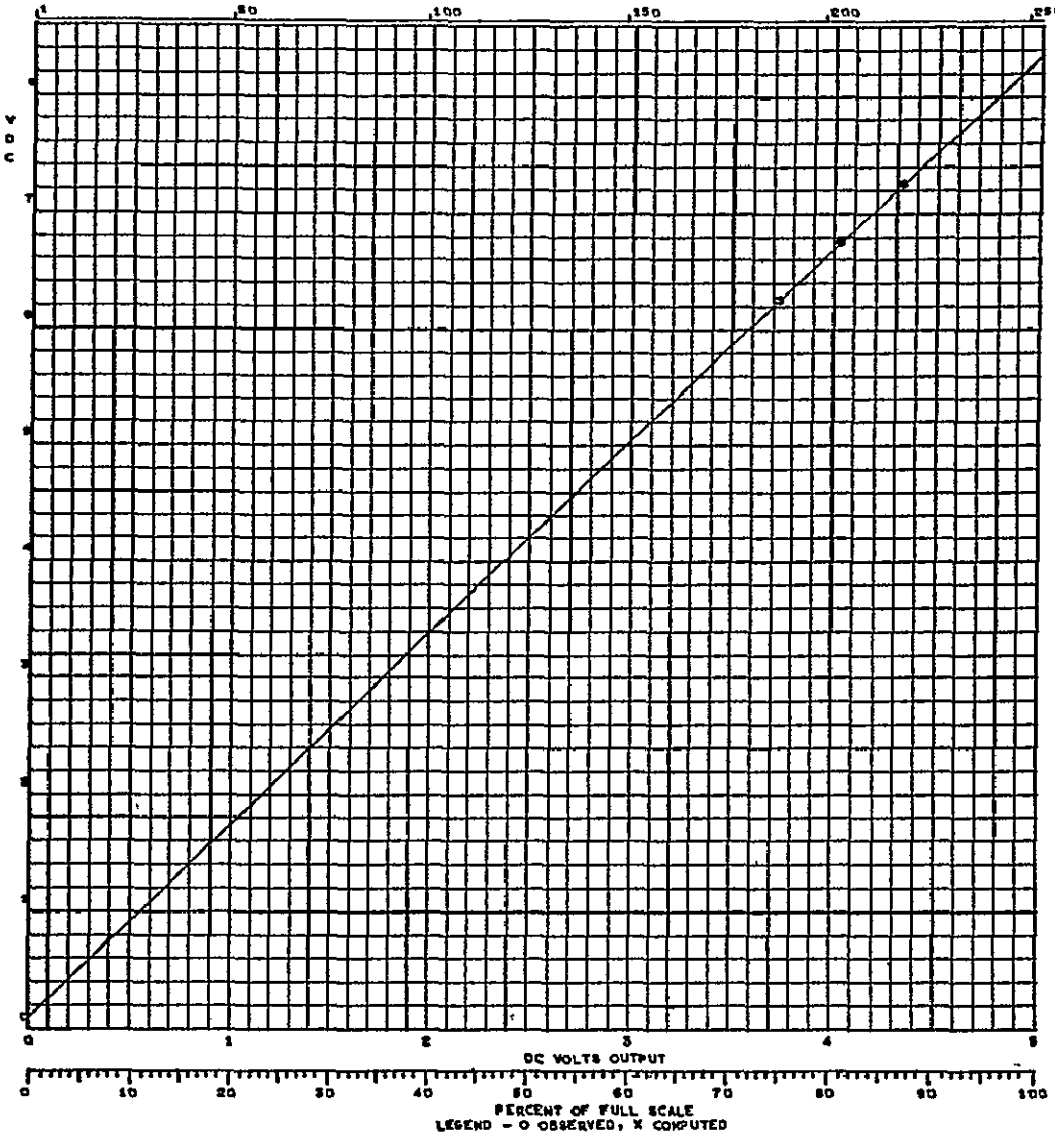
1 INSTALLATION DATE NOV. 4,1971

ALPHA PART 6.75V ADC P/S NON

CAL RANGE 6.25000 TO 7.25000

SC-113

HARDWARE CALIB. NO. SERIAL NO. FLTS-7499



EQUATION COEFFICIENTS

A_0= 9.655 E-02

A_1= 1.660 E 00

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .00666

0% = 9.655E-02

20% = 1.749E 00

40% = 3.388E 00

50% = 4.224E 00

60% = 5.049E 00

80% = 6.689E 00

100% = 8.35CE 00

MEASUREMENT NO.

6005L1074V01

MEAS LOADING NO.

1060072 18

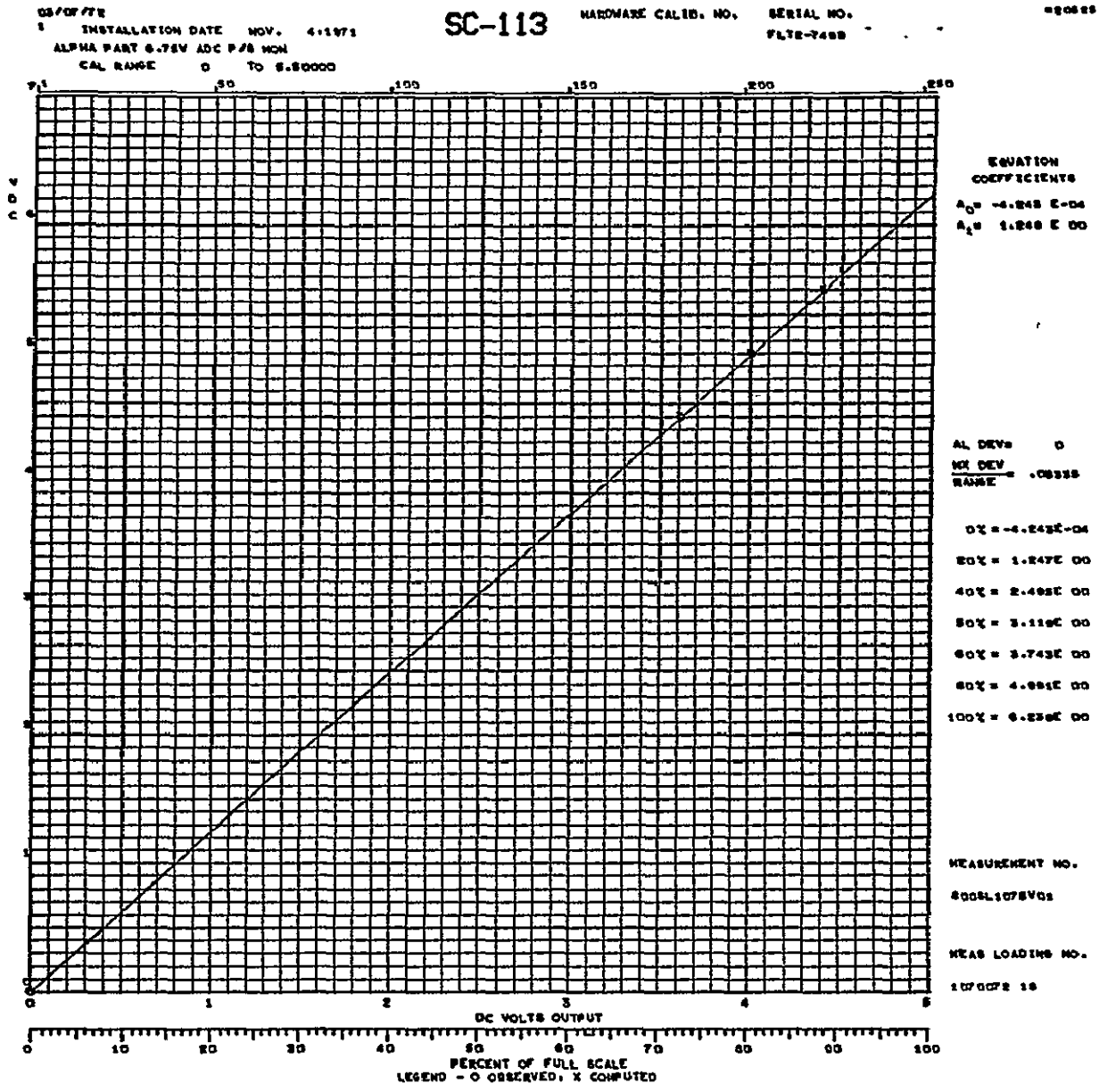
0 087 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART 6 75V ADC F/S MON

MEASUREMENT NO. 0009L1074V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. FL12-7499
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/04/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	0.009	37	1.287	73	2 475	109	3 653	145	4.851	181	6.039	217	7.227
2	0.132	38	1.320	74	2.508	110	3 663	146	4.884	182	6.072	218	7.260
3	0.165	39	1.353	75	2.541	111	3.729	147	4.917	183	6.105	219	7.293
4	0.198	40	1 386	76	2.574	112	3.762	148	4.950	184	6.138	220	7.326
5	0.231	41	1.419	77	2.607	113	3.795	149	4 983	185	6.171	221	7.359
6	0 264	42	1.452	78	2.640	114	3.828	150	5 016	186	6.204	222	7.392
7	0.297	43	1.485	79	2 673	115	3 861	151	5.049	187	6.237	223	7.425
8	0.330	44	1.518	80	2 706	116	3.894	152	5 082	188	6.270	224	7.458
9	0.363	45	1.551	81	2 739	117	3 927	153	5.115	189	6 303	225	7.491
10	0.396	46	1.584	82	2.772	118	3 960	154	5.148	190	6.336	226	7.524
11	0.429	47	1.617	83	2.805	119	3.993	155	5.181	191	6.369	227	7.557
12	0.462	48	1.650	84	2.838	120	4.025	156	5.214	192	6.402	228	7 590
13	0.495	49	1.683	85	2.871	121	4.059	157	5.247	193	6.435	229	7.623
14	0.528	50	1.716	86	2.904	122	4.092	158	5.280	194	6 468	230	7.656
15	0.561	51	1 749	87	2 937	123	4.125	159	5.313	195	6.501	231	7.689
16	0.594	52	1.782	88	2 970	124	4.158	160	5 346	196	6.534	232	7.722
17	0.627	53	1 815	89	3 003	125	4.191	161	5 379	197	6.567	233	7.755
18	0.660	54	1.848	90	3 036	126	4.224	162	5.412	198	6.600	234	7.788
19	0.693	55	1.881	91	3 069	127	4 257	163	5 445	199	6.633	235	7.821
20	0.726	56	1.914	92	3.102	128	4.290	164	5.478	200	6 666	236	7.854
21	0.759	57	1.947	93	3.135	129	4.323	165	5 511	201	6 699	237	7.887
22	0.792	58	1.980	94	3.168	130	4.356	166	5.544	202	6.732	238	7.921
23	0.825	59	2 013	95	3.201	131	4.389	167	5.577	203	6 765	239	7.954
24	0.858	60	2 046	96	3.234	132	4.422	168	5.610	204	6 798	240	7.987
25	0.891	61	2 079	97	3.267	133	4.455	169	5.643	205	6.831	241	8.020
26	0.924	62	2.112	98	3.300	134	4.488	170	5.676	206	6.864	242	8.053
27	0.957	63	2.145	99	3 333	135	4.521	171	5.709	207	6.897	243	8.086
28	0.990	64	2.178	100	3.366	136	4 554	172	5 742	208	6.930	244	8.119
29	1.023	65	2 211	101	3 399	137	4.587	173	5 775	209	6.963	245	8.152
30	1.056	66	2 244	102	3 432	138	4.620	174	5.808	210	6.996	246	8.185
31	1.089	67	2.277	103	3 465	139	4 653	175	5.841	211	7.029	247	8.218
32	1.122	68	2.310	104	3.498	140	4 686	176	5.874	212	7.062	248	8.251
33	1.155	69	2 343	105	3 531	141	4.719	177	5.907	213	7.096	249	8 284
34	1.188	70	2.376	106	3 564	142	4.752	178	5.940	214	7.128	250	8.317
35	1.221	71	2.409	107	3 597	143	4.785	179	5.973	215	7.161	251	8.350
36	1.254	72	2.442	108	3 630	144	4 818	180	6 006	216	7.194		



0 089 Charge 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART 6.75V ADC P/S HON

MEASUREMENT NO. 6000L10P5V01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. FLT2-7499
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

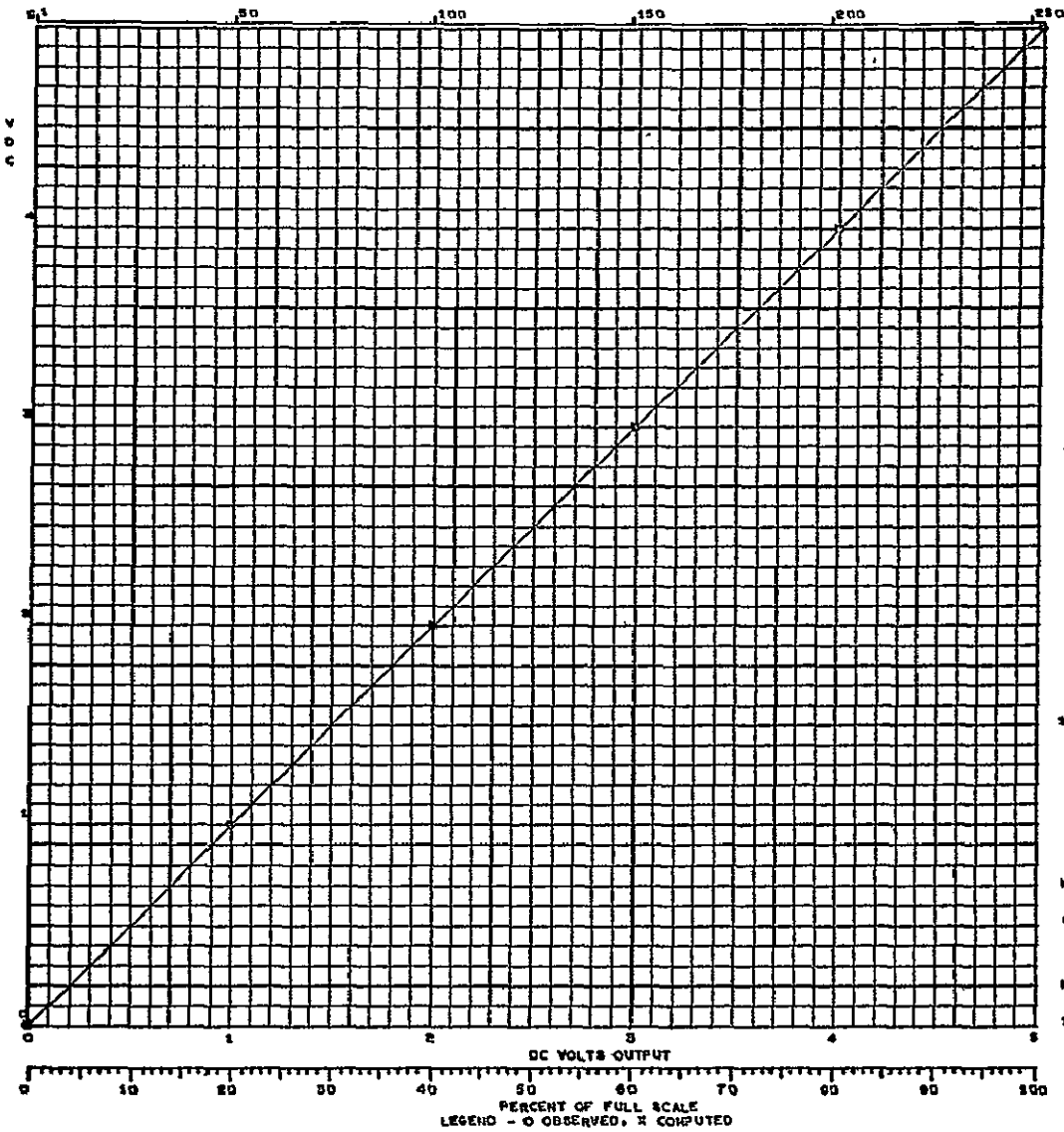
CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.000	37	0 698	73	1 795	109	2 695	145	3.593	181	4.491	217	5.390
2	0.025	38	0 923	74	1.821	110	2 720	146	3.618	182	4.516	218	5.415
3	0.049	39	0.948	75	1.846	111	2 745	147	3.643	183	4.541	219	5.440
4	0.074	40	0 973	76	1.871	112	2.770	148	3.668	184	4.566	220	5.465
5	0.099	41	0.998	77	1.896	113	2.795	149	3 693	185	4.591	221	5 490
6	0.124	42	1 023	78	1.921	114	2 819	150	3.718	186	4.616	222	5.515
7	0.149	43	1.048	79	1.946	115	2.844	151	3.743	187	4.641	223	5.540
8	0.174	44	1 073	80	1 971	116	2.869	152	3.768	188	4.666	224	5.565
9	0.199	45	1 098	81	1.995	117	2 894	153	3.793	189	4 691	225	5.589
10	0.224	46	1.123	82	2.021	118	2.919	154	3 818	190	4.716	226	5.614
11	0.249	47	1.148	83	2 046	119	2 944	155	3.843	191	4.741	227	5.639
12	0.274	48	1.172	84	2.071	120	2.969	156	3 868	192	4.766	228	5.664
13	0.299	49	1.197	85	2.096	121	2.994	157	3.893	193	4.791	229	5 689
14	0.324	50	1.222	86	2.121	122	3.019	158	3 918	194	4.816	230	5.714
15	0.349	51	1 247	87	2 146	123	3.044	159	3.942	195	4.841	231	5.739
16	0.374	52	1 272	88	2.171	124	3.069	160	3 967	196	4.866	232	5.764
17	0.399	53	1.297	89	2.195	125	3.094	161	3.992	197	4.891	233	5.789
18	0.424	54	1.322	90	2.221	126	3.119	162	4.017	198	4.915	234	5.814
19	0.449	55	1 347	91	2.246	127	3.144	163	4.042	199	4.941	235	5.839
20	0.474	56	1.372	92	2.270	128	3 169	164	4.067	200	4.966	236	5.864
21	0.499	57	1.397	93	2.295	129	3.194	165	4.092	201	4.991	237	5.889
22	0.524	58	1.422	94	2.320	130	3.219	166	4.117	202	5.015	238	5.914
23	0.549	59	1.447	95	2.345	131	3.244	167	4.142	203	5.040	239	5.939
24	0.574	60	1.472	96	2.370	132	3.269	168	4.167	204	5.065	240	5.964
25	0.598	61	1.497	97	2.395	133	3.294	169	4.192	205	5.090	241	5.989
26	0.623	62	1.522	98	2.420	134	3 319	170	4.217	206	5.115	242	6.014
27	0.648	63	1 547	99	2.445	135	3.344	171	4.242	207	5.140	243	6.039
28	0.673	64	1.572	100	2.470	136	3.369	172	4 267	208	5.165	244	6.064
29	0.698	65	1 597	101	2.495	137	3.393	173	4.292	209	5.190	245	6.089
30	0.723	66	1.622	102	2.520	138	3.418	174	4.317	210	5 215	246	6.114
31	0.748	67	1.647	103	2 545	139	3.443	175	4.342	211	5.240	247	6.139
32	0.773	68	1.672	104	2 570	140	3.468	176	4.367	212	5.265	248	6.163
33	0.798	69	1.697	105	2.595	141	3.493	177	4.392	213	5 290	249	6.188
34	0.823	70	1.721	106	2.620	142	3.518	178	4.417	214	5.315	250	6.213
35	0.848	71	1.746	107	2.645	143	3.543	179	4.442	215	5.340	251	6.238
36	0.873	72	1.771	108	2.670	144	3 568	180	4.467	216	5 365		

8 090 Charge 2

08/07/72
1 INSTALLATION DATE NOV. 4,1971
ALPHA PART BURNED LVPS MON
CAL RANGE 0 TO 5.00000

SC-113

HARDWARE CALIB. NO. SERIAL NO. FLTR-7488



EQUATION COEFFICIENTS

A_0= -1.358 E-19

A_1= 1.000 E 00

AL DEV= 0

MX DEV / RANGE = .00000

0% = -1.358E-19

20% = 1.000E 00

40% = 2.000E 00

50% = 2.500E 00

60% = 3.000E 00

80% = 4.000E 00

100% = 5.000E 00

MEASUREMENT NO.

8008L1d78V01

HEAD LOADING NO.

1080078 16

8 091 Change 2

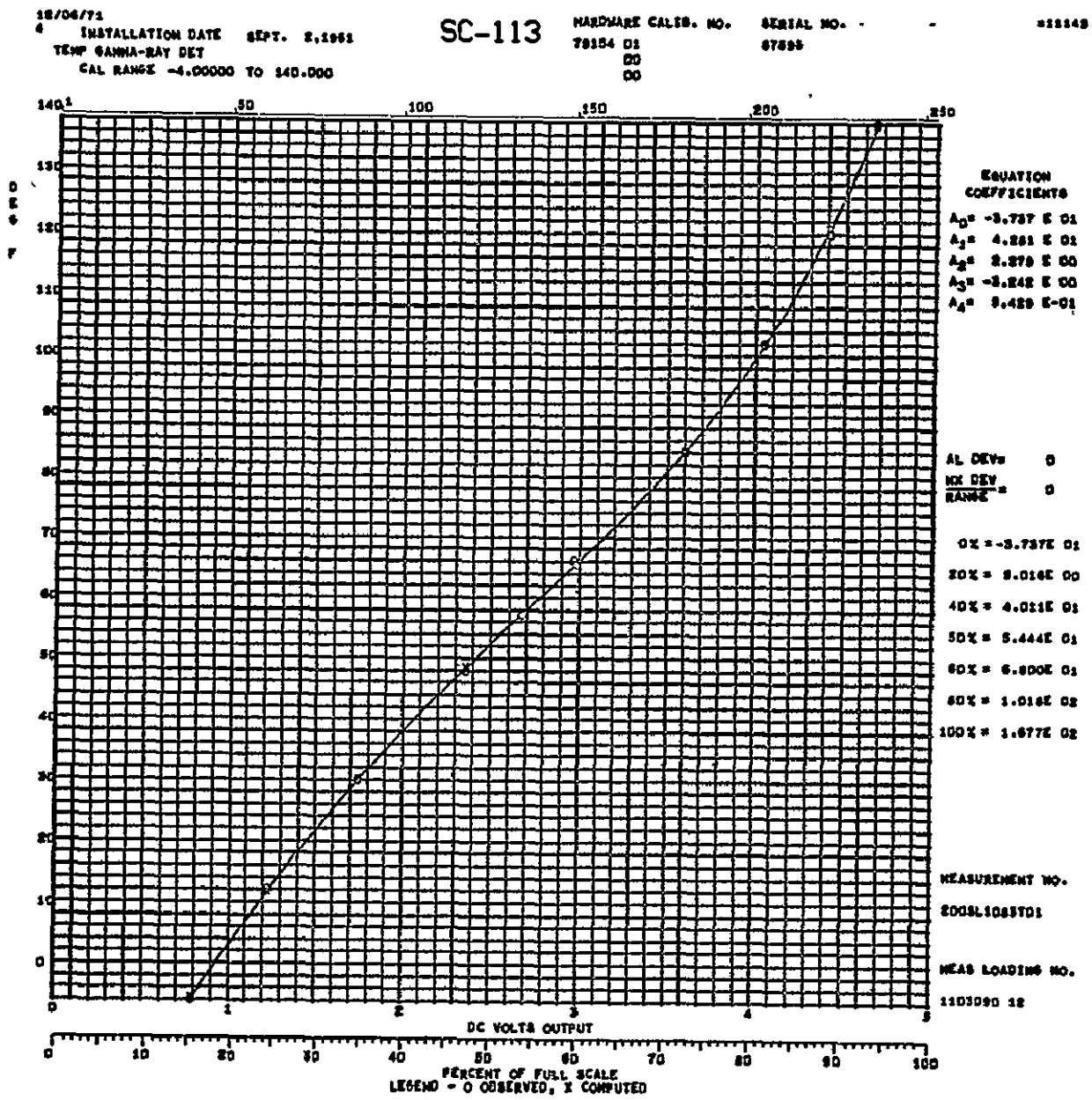
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ALPHA PART SUBSCD LVPS KEN

MEASUREMENT NO. 0009L1G7GVD1
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO FLT2-7499
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/04/71

CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC	CNT	VDC
1	-0.000	37	0.720	73	1.440	109	2.160	145	2.880	181	3.600	217	4.320
2	0.020	38	0.740	74	1.460	110	2.180	146	2.900	182	3.620	218	4.340
3	0.040	39	0.760	75	1.480	111	2.200	147	2.920	183	3.640	219	4.360
4	0.060	40	0.780	76	1.500	112	2.220	148	2.940	184	3.660	220	4.380
5	0.080	41	0.800	77	1.520	113	2.240	149	2.960	185	3.680	221	4.400
6	0.100	42	0.820	78	1.540	114	2.260	150	2.980	186	3.700	222	4.420
7	0.120	43	0.840	79	1.560	115	2.280	151	3.000	187	3.720	223	4.440
8	0.140	44	0.860	80	1.580	116	2.300	152	3.020	188	3.740	224	4.460
9	0.160	45	0.880	81	1.600	117	2.320	153	3.040	189	3.760	225	4.480
10	0.180	46	0.900	82	1.620	118	2.340	154	3.060	190	3.780	226	4.500
11	0.200	47	0.920	83	1.640	119	2.360	155	3.080	191	3.800	227	4.520
12	0.220	48	0.940	84	1.660	120	2.380	156	3.100	192	3.820	228	4.540
13	0.240	49	0.960	85	1.680	121	2.400	157	3.120	193	3.840	229	4.560
14	0.260	50	0.980	86	1.700	122	2.420	158	3.140	194	3.860	230	4.580
15	0.280	51	1.000	87	1.720	123	2.440	159	3.160	195	3.880	231	4.600
16	0.300	52	1.020	88	1.740	124	2.460	160	3.180	196	3.900	232	4.620
17	0.320	53	1.040	89	1.760	125	2.480	161	3.200	197	3.920	233	4.640
18	0.340	54	1.060	90	1.780	126	2.500	162	3.220	198	3.940	234	4.660
19	0.360	55	1.080	91	1.800	127	2.520	163	3.240	199	3.960	235	4.680
20	0.380	56	1.100	92	1.820	128	2.540	164	3.260	200	3.980	236	4.700
21	0.400	57	1.120	93	1.840	129	2.560	165	3.280	201	4.000	237	4.720
22	0.420	58	1.140	94	1.860	130	2.580	166	3.300	202	4.020	238	4.740
23	0.440	59	1.160	95	1.880	131	2.600	167	3.320	203	4.040	239	4.760
24	0.460	60	1.180	96	1.900	132	2.620	168	3.340	204	4.060	240	4.780
25	0.480	61	1.200	97	1.920	133	2.640	169	3.360	205	4.080	241	4.800
26	0.500	62	1.220	98	1.940	134	2.660	170	3.380	206	4.100	242	4.820
27	0.520	63	1.240	99	1.960	135	2.680	171	3.400	207	4.120	243	4.840
28	0.540	64	1.260	100	1.980	136	2.700	172	3.420	208	4.140	244	4.860
29	0.560	65	1.280	101	2.000	137	2.720	173	3.440	209	4.160	245	4.880
30	0.580	66	1.300	102	2.020	138	2.740	174	3.460	210	4.180	246	4.900
31	0.600	67	1.320	103	2.040	139	2.760	175	3.480	211	4.200	247	4.920
32	0.620	68	1.340	104	2.060	140	2.780	176	3.500	212	4.220	248	4.940
33	0.640	69	1.360	105	2.080	141	2.800	177	3.520	213	4.240	249	4.960
34	0.660	70	1.380	106	2.100	142	2.820	178	3.540	214	4.260	250	4.980
35	0.680	71	1.400	107	2.120	143	2.840	179	3.560	215	4.280	251	5.000
36	0.700	72	1.420	108	2.140	144	2.860	180	3.580	216	4.300		

Change 2


12/06/71
4 INSTALLATION DATE SEPT. 2,1961
TEMP GAMMA-RAY DET
CAL RANGE -4.00000 TO 140.000
SC-113
HARDWARE CALIB. NO.
78154 01
00
00
SERIAL NO. -
87895
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
A0= -3.737 E 01
A1= 4.281 E 01
A2= 2.278 E 00
A3= -3.242 E 00
A4= 9.429 E-01
AL DEV= 0
NX DEV RANGE= 0
0% = -3.737E 01
20% = 8.016E 00
40% = 4.021E 01
50% = 5.444E 01
60% = 6.800E 01
80% = 1.016E 02
100% = 1.077E 02
MEASUREMENT NO.
2005L1085T01
MEAS LOADING NO.
1103090 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP GAMMA-RAY DET

MEASUREMENT NO. 2005R1085T01
VEHICLE SC-115
TRANSDUCER SERIAL NO. 8769G
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-37.375	38	-5.963	75	22.450	112	45.849	149	65.940	186	83.154	223	121.649
2	-36.529	39	-5.139	76	23.149	113	46.419	150	66.479	187	83.961	224	122.823
3	-35.678	40	-4.316	77	23.844	114	46.987	151	67.020	188	89.577	225	124.015
4	-34.828	41	-3.497	78	24.535	115	47.552	152	67.563	189	90.301	226	125.225
5	-33.976	42	-2.680	79	25.225	116	48.115	153	68.107	190	91.033	227	126.453
6	-33.124	43	-1.866	80	25.908	117	48.676	154	68.654	191	91.775	228	127.700
7	-32.270	44	-1.054	81	26.585	118	49.234	155	69.202	192	92.525	229	128.965
8	-31.416	45	-0.245	82	27.261	119	49.790	156	69.753	193	93.285	230	130.250
9	-30.560	46	0.560	83	27.933	120	50.344	157	70.305	194	94.055	231	131.554
10	-29.704	47	1.365	84	28.601	121	50.896	158	70.861	195	94.834	232	132.879
11	-28.848	48	2.165	85	29.265	122	51.446	159	71.419	196	95.624	233	134.225
12	-27.991	49	2.960	86	29.925	123	51.994	160	71.980	197	96.423	234	135.588
13	-27.134	50	3.753	87	30.582	124	52.540	161	72.544	198	97.234	235	136.973
14	-26.277	51	4.544	88	31.234	125	53.085	162	73.112	199	98.055	236	138.380
15	-25.420	52	5.331	89	31.885	126	53.628	163	73.682	200	98.887	237	139.808
16	-24.562	53	6.115	90	32.528	127	54.170	164	74.257	201	99.730	238	141.257
17	-23.706	54	6.895	91	33.170	128	54.710	165	74.834	202	100.585	239	142.729
18	-22.849	55	7.672	92	33.807	129	55.249	166	75.416	203	101.451	240	144.223
19	-21.993	56	8.446	93	34.442	130	55.787	167	76.002	204	102.330	241	145.740
20	-21.136	57	9.216	94	35.072	131	56.324	168	76.592	205	103.221	242	147.279
21	-20.280	58	9.983	95	35.699	132	56.860	169	77.187	206	104.124	243	148.842
22	-19.429	59	10.746	96	36.322	133	57.395	170	77.786	207	105.040	244	150.429
23	-18.576	60	11.506	97	36.942	134	57.930	171	78.390	208	105.969	245	152.039
24	-17.725	61	12.261	98	37.558	135	58.463	172	78.999	209	106.911	246	153.674
25	-16.874	62	13.014	99	38.171	136	58.997	173	79.613	210	107.867	247	155.334
26	-16.024	63	13.762	100	38.781	137	59.530	174	80.232	211	108.837	248	157.018
27	-15.178	64	14.507	101	39.387	138	60.062	175	80.857	212	109.821	249	158.728
28	-14.330	65	15.248	102	39.990	139	60.595	176	81.488	213	110.819	250	160.465
29	-13.485	66	15.986	103	40.590	140	61.127	177	82.124	214	111.831	251	162.229
30	-12.641	67	16.719	104	41.186	141	61.660	178	82.767	215	112.859	252	164.019
31	-11.799	68	17.449	105	41.779	142	62.192	179	83.416	216	113.902	253	165.837
32	-10.959	69	18.175	106	42.369	143	62.725	180	84.072	217	114.960	254	167.683
33	-10.121	70	18.897	107	42.957	144	63.259	181	84.734	218	116.034		
34	-9.285	71	19.616	108	43.541	145	63.794	182	85.405	219	117.124		
35	-8.452	72	20.330	109	44.122	146	64.329	183	86.080	220	118.230		
36	-7.620	73	21.041	110	44.701	147	64.865	184	86.764	221	119.353		
37	-6.790	74	21.747	111	45.276	148	65.402	185	87.455	222	120.492		

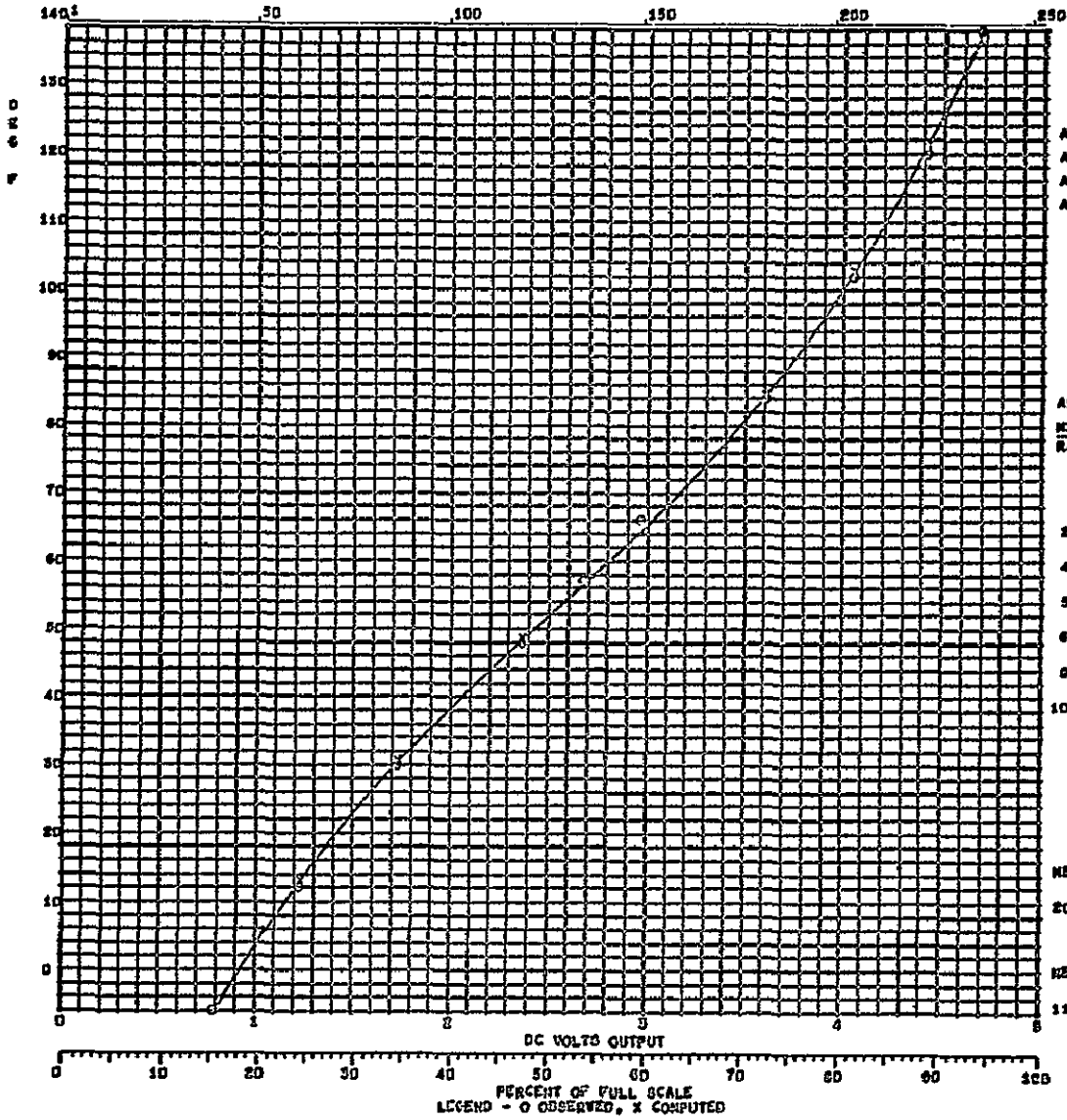
8 094 Charge 2

12/06/71
3 INSTALLATION DATE SEPT. 8,1961
TEMP GAMMA RAY ELECTRONICS FKS
CAL RANGE -6.00000 TO 140.000

SC-113

HARDWARE CALIB. NO. 79153 01 00 00
SERIAL NO. - - 07726

=11148



EQUATION COEFFICIENTS

A_0= -5.322 E 01
A_1= 7.627 E 01
A_2= -2.009 E 01
A_3= 2.957 E 00

AL DEVs 0
MX DEV RANGE= 0

0% = -5.322E 01
20% = 9.644E 00
40% = 4.045E 01
50% = 9.366E 01
60% = 9.730E 01
80% = 1.023E 02
100% = 1.017E 02

MEASUREMENT NO.
E0091810S6TG1

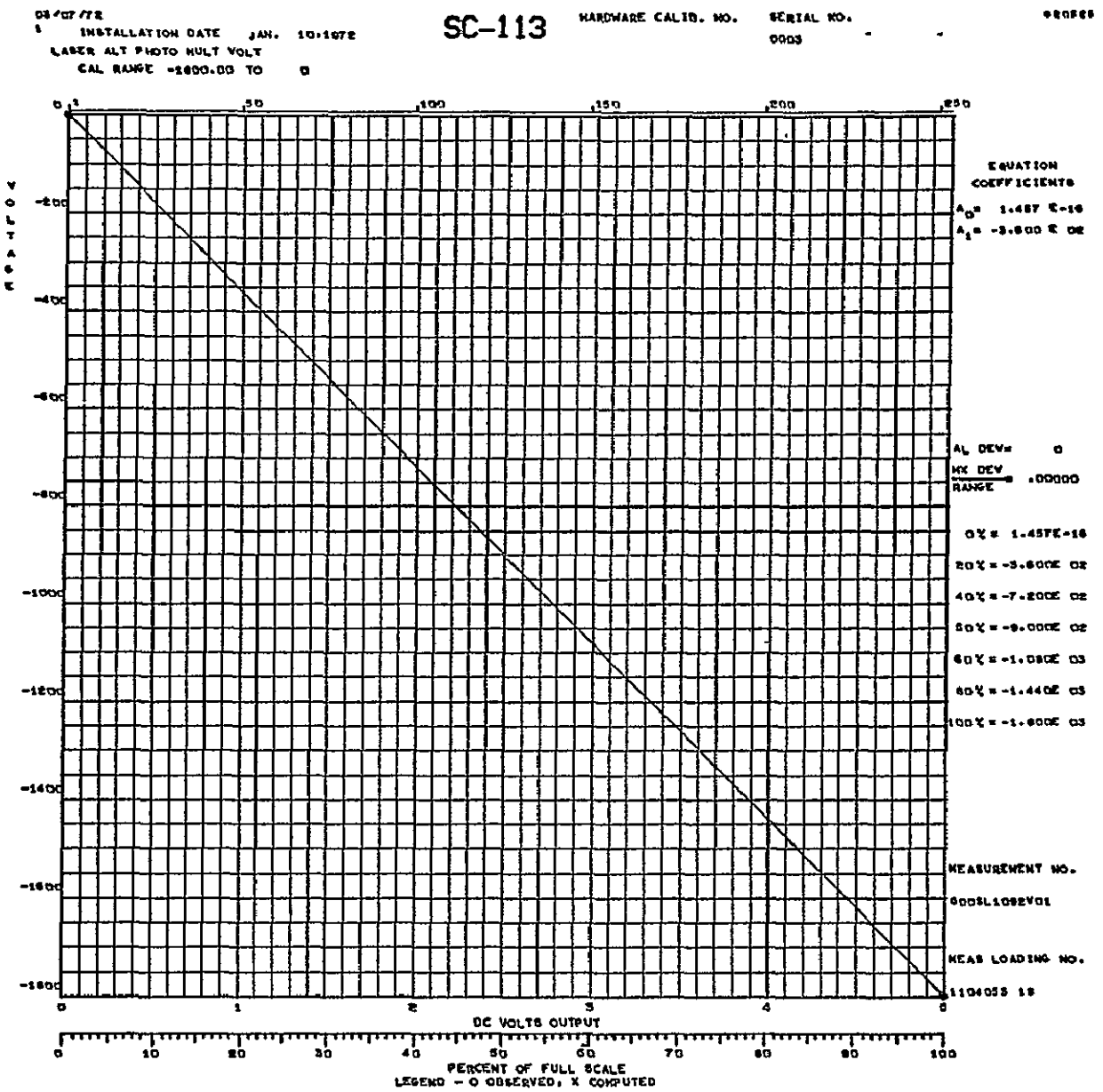
MEAS LOADING NO.
1103092 12

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP GAMMA RAY ELECTRONICS PKG

MEASUREMENT NO. 2005L1086T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 87726
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 09/02/81

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-53.219	38	-7.142	75	23.752	112	45.787	149	65.204	186	83.367	223	101.559
2	-51.723	39	-6.136	76	24.436	113	46.297	150	65.752	187	89.104	224	102.654
3	-50.256	40	-5.141	77	25.113	114	46.826	151	66.304	188	89.848	225	103.761
4	-48.766	41	-4.156	78	25.783	115	47.354	152	66.856	189	90.600	226	104.881
5	-47.314	42	-3.182	79	26.448	116	47.880	153	67.416	190	91.359	227	106.013
6	-45.877	43	-2.219	80	27.107	117	48.404	154	67.977	191	92.127	228	107.157
7	-44.454	44	-1.267	81	27.759	118	48.928	155	68.541	192	92.902	229	108.314
8	-43.046	45	-0.324	82	28.407	119	49.450	156	69.109	193	93.686	230	109.484
9	-41.653	46	0.606	83	29.048	120	49.971	157	69.680	194	94.477	231	110.668
10	-40.274	47	1.530	84	29.684	121	50.491	158	70.255	195	95.277	232	111.861
11	-38.910	48	2.442	85	30.315	122	51.011	159	70.834	196	96.085	233	113.070
12	-37.561	49	3.344	86	30.940	123	51.530	160	71.416	197	96.902	234	114.291
13	-36.226	50	4.236	87	31.560	124	52.048	161	72.003	198	97.728	235	115.526
14	-34.905	51	5.119	88	32.175	125	52.566	162	72.594	199	98.563	236	116.774
15	-33.598	52	5.993	89	32.786	126	53.084	163	73.189	200	99.406	237	118.036
16	-32.306	53	6.857	90	33.391	127	53.601	164	73.789	201	100.258	238	119.311
17	-31.027	54	7.711	91	33.992	128	54.119	165	74.394	202	101.120	239	120.601
18	-29.761	55	8.557	92	34.589	129	54.636	166	75.005	203	101.991	240	121.904
19	-28.510	56	9.394	93	35.181	130	55.154	167	75.617	204	102.871	241	123.221
20	-27.272	57	10.222	94	35.769	131	55.673	168	76.236	205	103.761	242	124.552
21	-26.047	58	11.041	95	36.353	132	56.191	169	76.860	206	104.661	243	125.898
22	-24.835	59	11.852	96	36.932	133	56.711	170	77.489	207	105.571	244	127.258
23	-23.636	60	12.654	97	37.508	134	57.231	171	78.124	208	106.490	245	128.633
24	-22.451	61	13.447	98	38.080	135	57.752	172	78.764	209	107.419	246	130.022
25	-21.278	62	14.233	99	38.649	136	58.273	173	79.409	210	108.359	247	131.426
26	-20.118	63	15.010	100	39.214	137	58.795	174	80.061	211	109.309	248	132.845
27	-18.970	64	15.780	101	39.776	138	59.321	175	80.718	212	110.270	249	134.279
28	-17.835	65	16.541	102	40.334	139	59.846	176	81.381	213	111.241	250	135.728
29	-16.712	66	17.295	103	40.889	140	60.373	177	82.050	214	112.222	251	137.193
30	-15.602	67	18.041	104	41.442	141	60.902	178	82.725	215	113.215	252	138.673
31	-14.503	68	18.780	105	41.991	142	61.452	179	83.407	216	114.218	253	140.169
32	-13.417	69	19.511	106	42.538	143	61.965	180	84.095	217	115.233	254	141.679
33	-12.342	70	20.236	107	43.082	144	62.499	181	84.790	218	116.258		
34	-11.279	71	20.953	108	43.623	145	63.035	182	85.492	219	117.295		
35	-10.228	72	21.663	109	44.162	146	63.574	183	86.200	220	118.344		
36	-9.188	73	22.366	110	44.699	147	64.115	184	86.915	221	119.404		
37	-8.159	74	23.062	111	45.234	148	64.658	185	87.637	222	120.475		

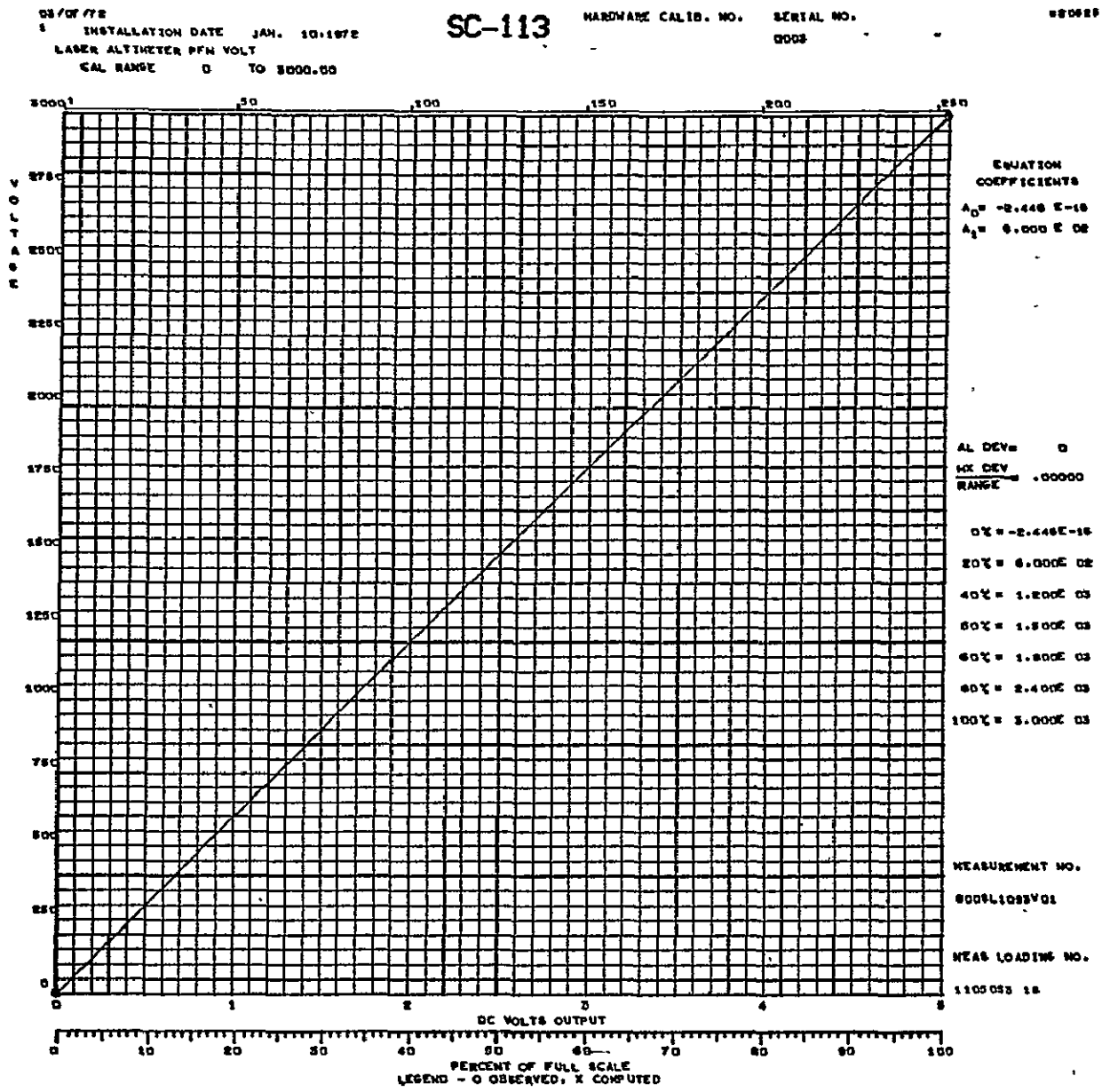

SC-113
INSTALLATION DATE JAN. 10:1972
LASER ALT PHOTO MULT VOLT
CAL RANGE -1600.00 TO 0
HARDWARE CALIB. NO.
SERIAL NO.
0003
EQUATION COEFFICIENTS
AL DEV= 0
MX DEV / RANGE = .00000
0% = 1.45FE-16
20% = -3.600E 02
40% = -7.200E 02
60% = -1.080E 03
80% = -1.440E 03
100% = -1.600E 03
MEASUREMENT NO.
600SL1092V01
MEAS LOADING NO.
1104055 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

LASER ALT PHOTO MULT VOLT

MEASUREMENT NO. 07TL1002V01
VEHICLE SC-113 Dyn
TRANSDUCER SERIAL NO 0008
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/10/72

CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG
1	0.000	37	-259.200	73	-518.400	109	-777.600	145	-1036.800	181	-1295.000	217	-1555.200
2	-7.200	38	-266.400	74	-525.600	110	-784.000	146	-1044.000	182	-1303.200	218	-1562.400
3	-14.400	39	-273.600	75	-532.800	111	-792.000	147	-1051.200	183	-1310.400	219	-1569.600
4	-21.600	40	-280.800	76	-540.000	112	-799.200	148	-1058.400	184	-1317.600	220	-1576.800
5	-28.800	41	-288.000	77	-547.200	113	-806.400	149	-1065.600	185	-1324.800	221	-1584.000
6	-36.000	42	-295.200	78	-554.400	114	-813.600	150	-1072.800	186	-1332.000	222	-1591.200
7	-43.200	43	-302.400	79	-561.600	115	-820.800	151	-1080.000	187	-1339.200	223	-1598.400
8	-50.400	44	-309.600	80	-568.800	116	-828.000	152	-1087.200	188	-1346.400	224	-1605.600
9	-57.600	45	-316.800	81	-576.000	117	-835.200	153	-1094.400	189	-1353.600	225	-1612.800
10	-64.800	46	-324.000	82	-583.200	118	-842.400	154	-1101.600	190	-1360.800	226	-1620.000
11	-72.000	47	-331.200	83	-590.400	119	-849.600	155	-1108.800	191	-1368.000	227	-1627.200
12	-79.200	48	-338.400	84	-597.600	120	-856.800	156	-1116.000	192	-1375.200	228	-1634.400
13	-86.400	49	-345.600	85	-604.800	121	-864.000	157	-1123.200	193	-1382.400	229	-1641.600
14	-93.600	50	-352.800	86	-612.000	122	-871.200	158	-1130.400	194	-1389.600	230	-1648.800
15	-100.800	51	-360.000	87	-619.200	123	-878.400	159	-1137.600	195	-1396.800	231	-1656.000
16	-108.000	52	-367.200	88	-626.400	124	-885.600	160	-1144.800	196	-1404.000	232	-1663.200
17	-115.200	53	-374.400	89	-633.600	125	-892.800	161	-1152.000	197	-1411.200	233	-1670.400
18	-122.400	54	-381.600	90	-640.800	126	-900.000	162	-1159.200	198	-1418.400	234	-1677.600
19	-129.600	55	-388.800	91	-648.000	127	-907.200	163	-1166.400	199	-1425.600	235	-1684.800
20	-136.800	56	-396.000	92	-655.200	128	-914.400	164	-1173.600	200	-1432.800	236	-1692.000
21	-144.000	57	-403.200	93	-662.400	129	-921.600	165	-1180.800	201	-1440.000	237	-1699.200
22	-151.200	58	-410.400	94	-669.600	130	-928.800	166	-1188.000	202	-1447.200	238	-1706.400
23	-158.400	59	-417.600	95	-676.800	131	-936.000	167	-1195.200	203	-1454.400	239	-1713.600
24	-165.600	60	-424.800	96	-684.000	132	-943.200	168	-1202.400	204	-1461.600	240	-1720.800
25	-172.800	61	-432.000	97	-691.200	133	-950.400	169	-1209.600	205	-1468.800	241	-1728.000
26	-180.000	62	-439.200	98	-698.400	134	-957.600	170	-1216.800	206	-1476.000	242	-1735.200
27	-187.200	63	-446.400	99	-705.600	135	-964.800	171	-1224.000	207	-1483.200	243	-1742.400
28	-194.400	64	-453.600	100	-712.800	136	-972.000	172	-1231.200	208	-1490.400	244	-1749.600
29	-201.600	65	-460.800	101	-720.000	137	-979.200	173	-1238.400	209	-1497.600	245	-1756.800
30	-208.800	66	-468.000	102	-727.200	138	-986.400	174	-1245.600	210	-1504.800	246	-1764.000
31	-216.000	67	-475.200	103	-734.400	139	-993.600	175	-1252.800	211	-1512.000	247	-1771.200
32	-223.200	68	-482.400	104	-741.600	140	-1000.800	176	-1260.000	212	-1519.200	248	-1778.400
33	-230.400	69	-489.600	105	-748.800	141	-1008.000	177	-1267.200	213	-1526.400	249	-1785.600
34	-237.600	70	-496.800	106	-756.000	142	-1015.200	178	-1274.400	214	-1533.600	250	-1792.800
35	-244.800	71	-504.000	107	-763.200	143	-1022.400	179	-1281.600	215	-1540.000	251	-1800.000
36	-252.000	72	-511.200	108	-770.400	144	-1029.600	180	-1288.800	216	-1548.000		



8 099 Change 2

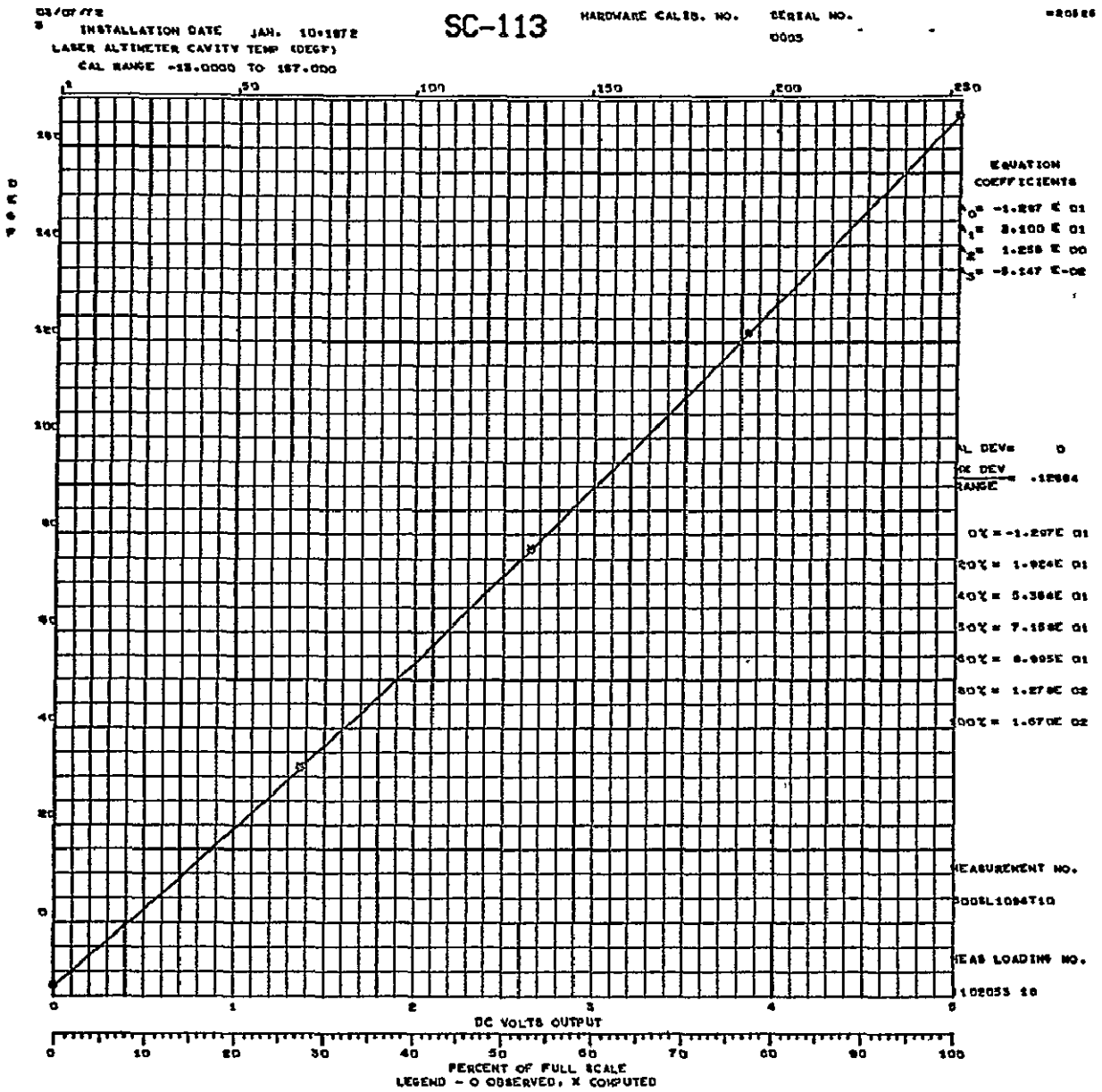
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

LASER ALTIMETER PFN VOLT

MEASUREMENT NO. 0005L1003V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO 0003
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/10/72

CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG
1	-0.000	37	432.000	73	854.000	109	1296.000	145	1728.000	181	2160 000	217	2592.000
2	12.000	38	444.000	74	876.000	110	1308 000	146	1740 000	182	2172 000	218	2604.000
3	24.000	39	456 000	75	888 000	111	1320 000	147	1752.000	183	2184 000	219	2616 000
4	36.000	40	468 000	76	900.000	112	1332 000	148	1764.000	184	2196.000	220	2628 000
5	48.000	41	480 000	77	912 000	113	1344.000	149	1776.000	185	2208.000	221	2640.000
6	60.000	42	492 000	78	924 000	114	1356.000	150	1788 000	185	2220 000	222	2652.000
7	72.000	43	504 000	79	936 000	115	1368 000	151	1800 000	187	2232.000	223	2664.000
8	84.000	44	516.000	80	948.000	116	1380 000	152	1812.000	188	2244.000	224	2676 000
9	96.000	45	528 000	81	960.000	117	1392 000	153	1824 000	189	2256 000	225	2688 000
10	108.000	46	540 000	82	972 000	118	1404 000	154	1836 000	190	2268.000	226	2700.000
11	120.000	47	552 000	83	984.000	119	1416 000	155	1848 000	191	2280.000	227	2712.000
12	132.000	48	564.000	84	996 000	120	1428 000	156	1860.000	192	2292.000	228	2724 000
13	144.000	49	576 000	85	1008.000	121	1440.000	157	1872.000	193	2304.000	229	2736.000
14	156.000	50	588.000	86	1020.000	122	1452 000	158	1884.000	194	2316.001	230	2748.000
15	168.000	51	600.000	87	1032.000	123	1464 000	159	1896 000	195	2328 001	231	2760.000
16	180.000	52	612.000	88	1044.000	124	1476.000	160	1908 000	196	2340.001	232	2772.000
17	192 000	53	624.000	89	1056.000	125	1488.000	161	1920.000	197	2352.001	233	2784.000
18	204.000	54	636.000	90	1068.000	126	1500 000	162	1932 000	198	2364.001	234	2796.000
19	216.000	55	648 000	91	1080.000	127	1512.000	163	1944.000	199	2376.001	235	2808.000
20	228.000	56	660 000	92	1092.000	128	1524.000	164	1956.000	200	2388.001	236	2820.000
21	240.000	57	672.000	93	1104 000	129	1536.000	165	1968 000	201	2400.001	237	2832.000
22	252.000	58	684 000	94	1116.000	130	1548.000	166	1980 000	202	2412 001	238	2844.000
23	264.000	59	696.000	95	1128.000	131	1560 000	167	1992.000	203	2424.001	239	2856.000
24	276.000	60	708 000	96	1140.000	132	1572 000	168	2004 000	204	2436.000	240	2868.000
25	288.000	61	720 000	97	1152.000	133	1584.000	169	2016.000	205	2448 000	241	2880.000
26	300.000	62	732.000	98	1164.000	134	1596.000	170	2028.000	206	2460.000	242	2892.000
27	312.000	63	744.000	99	1176.000	135	1608.000	171	2040 000	207	2472.000	243	2904.000
28	324.000	64	756 000	100	1188.000	136	1620 000	172	2052.000	208	2484.000	244	2916.000
29	336.000	65	768.000	101	1200.000	137	1632.000	173	2064.000	209	2496 000	245	2928 000
30	348.000	66	780 000	102	1212 000	138	1644.000	174	2076.000	210	2508 000	246	2940.000
31	360 000	67	792 000	103	1224.000	139	1656.000	175	2088 000	211	2520 000	247	2952 000
32	372 000	68	804.000	104	1236.000	140	1668.000	176	2100 000	212	2532.000	248	2964.000
33	384 000	69	816.000	105	1248 000	141	1680.000	177	2112 000	213	2544.000	249	2976.000
34	396.000	70	828.000	106	1260.000	142	1692 000	178	2124.000	214	2556 000	250	2988.000
35	408.000	71	840.000	107	1272 000	143	1704 000	179	2136.000	215	2568.000	251	3000.000
36	420 000	72	852 000	108	1284 000	144	1716 000	180	2148 000	216	2580 000		

8 100 Change 2


SC-113
INSTALLATION DATE JAN. 10•1972
LASER ALTIMETER CAVITY TEMP (DEGF)
CAL RANGE -15.0000 TO 187.000
HARDWARE CALIB. NO.
SERIAL NO.
0005
EQUATION COEFFICIENTS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

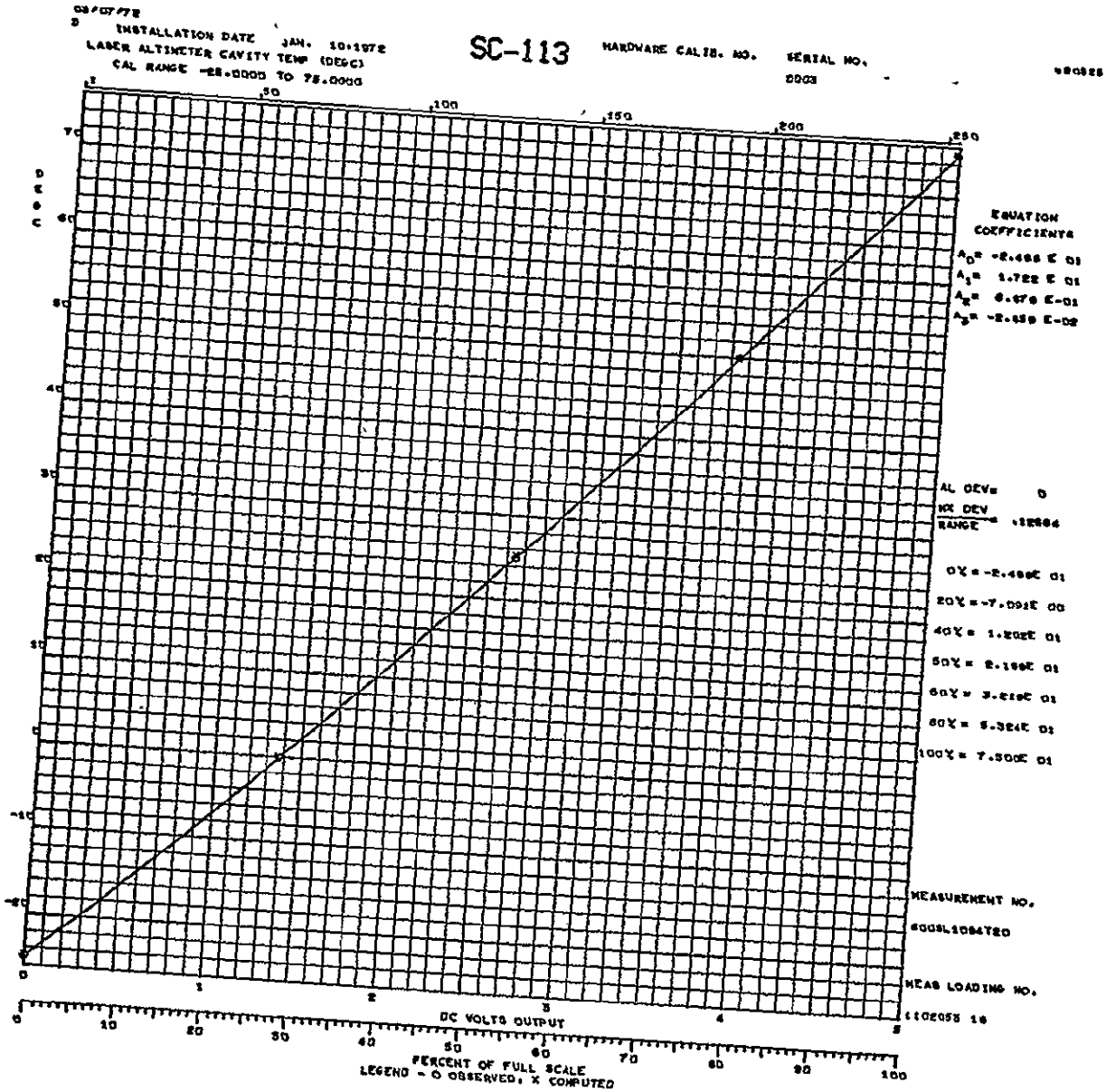
 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

LASER ALTIMETER CAVITY TEMP (DEGF)

MEASUREMENT NO. 0005L1004T10
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 0003
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/10/72

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	-12.050	37	9 953	73	34.122	109	59.333	145	85 501	181	112 511	217	140 2.5
2	-12.349	38	10 638	74	34.603	110	60 010	146	85 211	182	113 272	218	141.003
3	-11 727	39	11.294	75	35.455	111	60 763	147	89.991	183	114.004	219	141.653
4	-11.105	40	11.951	76	36.184	112	61.479	148	87 721	184	114 755	220	142.507
5	-10.481	41	12.608	77	36.872	113	62.155	149	88 465	185	115 559	221	143 368
6	-9.857	42	13 297	78	37 562	114	62 913	150	89 205	186	116.322	222	144.150
7	-9.231	43	13 927	79	38.253	115	63 631	151	89.948	187	117 055	223	144.932
8	-8.605	44	14.567	80	38.944	116	64.350	152	90 691	188	117.851	224	145 714
9	-7.977	45	15.219	81	39 635	117	65.070	153	91.435	189	118.616	225	145.497
10	-7.349	46	15.911	82	40.329	118	65.790	154	92.179	190	119 381	226	147 280
11	-6.719	47	16.574	83	41.023	119	66.511	155	92 924	191	120.147	227	148 064
12	-6.089	48	17.230	84	41.717	120	67.233	156	93 670	192	120 014	228	148.648
13	-5.458	49	17.903	85	42.412	121	67.955	157	94.417	193	121.681	229	149 633
14	-4.825	50	18.569	86	43.108	122	68 678	158	95 154	194	122 449	230	150.418
15	-4.192	51	19 236	87	43 805	123	69 402	159	95 911	195	123 217	231	151 204
16	-3.558	52	19 903	88	44.503	124	70 127	160	93.660	196	123 985	232	151.010
17	-2.922	53	20 572	89	45.202	125	70 852	161	97.403	197	124 755	233	152.776
18	-2.285	54	21 241	90	45.901	126	71.578	162	98 158	198	125 525	234	153 565
19	-1.649	55	21.911	91	46 601	127	72.305	163	98 900	199	126.295	235	154.351
20	-1.011	56	22 582	92	47.302	128	73.032	164	99 659	200	127.065	236	155.138
21	-0.372	57	23 254	93	48.003	129	73.760	165	100 410	201	127.837	237	155.927
22	0.259	58	23 927	94	48.705	130	74.489	166	101.162	202	128.609	238	156.715
23	0.910	59	24.601	95	49.409	131	75.218	167	101.914	203	129 381	239	157.504
24	1.552	60	25 275	96	50.113	132	75.949	168	102 668	204	130 154	240	158 294
25	2.195	61	25.951	97	50.817	133	76.679	169	103 421	205	130 928	241	159 033
26	2.838	62	26.627	98	51.523	134	77.411	170	104.175	206	131.702	242	159 674
27	3.483	63	27.304	99	52 229	135	78.143	171	104.930	207	132 476	243	160 654
28	4.129	64	27.982	100	52.935	136	78 876	172	105 686	208	133 251	244	161.455
29	4.776	65	28.661	101	53 644	137	79 609	173	106.442	209	134 026	245	162.247
30	5.423	66	29.341	102	54.353	138	80 344	174	107.198	210	134.802	246	163 039
31	6.072	67	30 021	103	55.062	139	81.078	175	107.955	211	135 578	247	163.831
32	6.721	68	30 703	104	55.772	140	81.814	176	108 713	212	136.355	248	164.624
33	7.372	69	31.385	105	56.483	141	82 550	177	109 472	213	137.132	249	165.417
34	8.023	70	32 070	106	57.194	142	83 287	178	110 231	214	137.910	250	166 210
35	8.675	71	32 752	107	57.905	143	84 024	179	110 990	215	138 688	251	167.004
36	9.329	72	33 436	108	58 619	144	84 762	180	111 750	216	139 467		

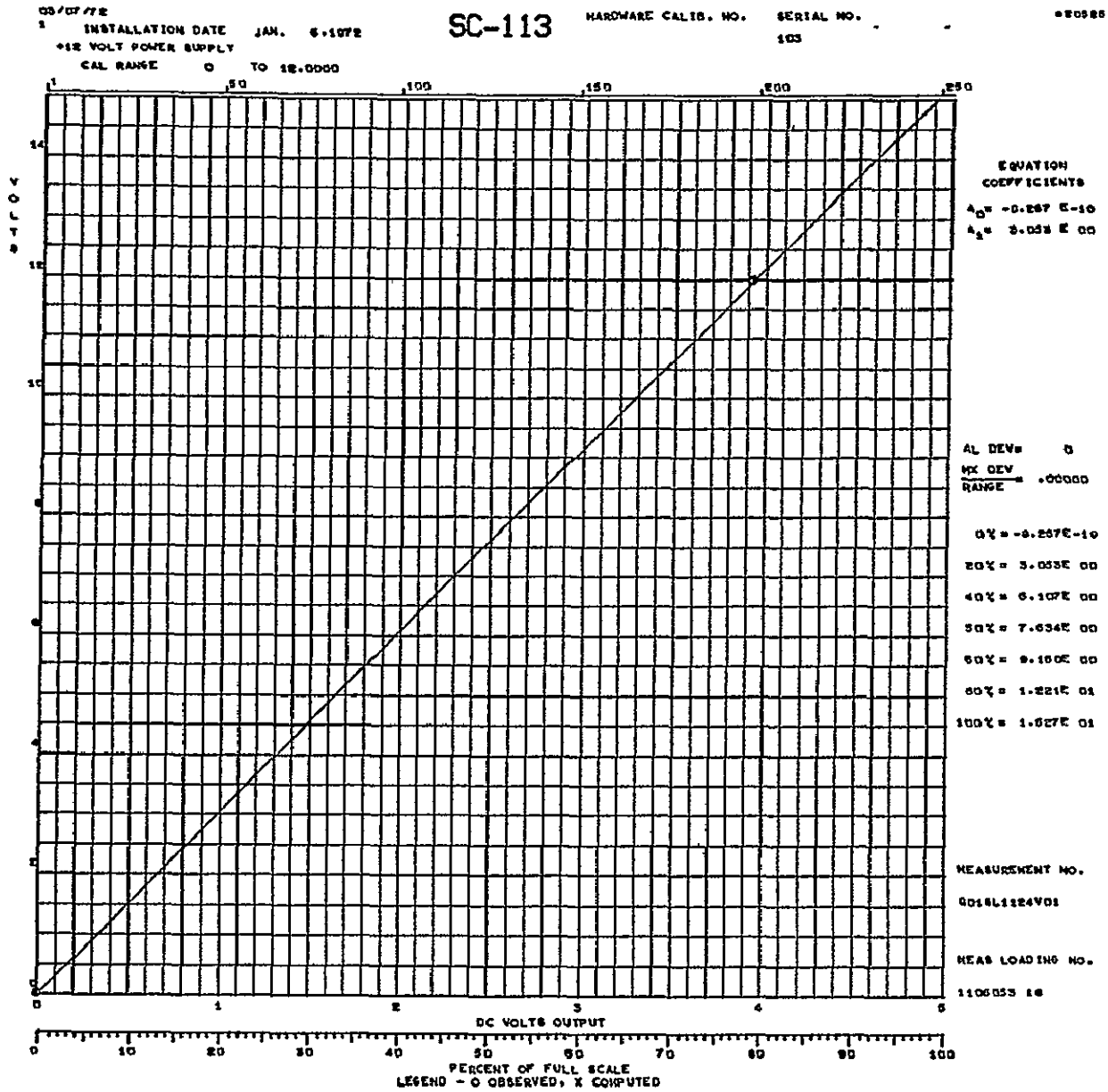

INSTALLATION DATE JAN. 10:1972
LASER ALTIMETER CAVITY TEMP (DEGC)
CAL RANGE -25.0000 TO 75.0000
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
0003
EQUATION COEFFICIENTS
AL DEV=
MX DEV
RANGE
0%
20%
40%
50%
60%
80%
100%
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS_VS ENGINEERING UNITS ****

LASER ALTIMETER CAVITY TEMP (DEGC)

MEASUREMENT NO. 0008L1094T20
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 0008
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/10/72

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-24.933	37	-12 232	73	1.179	109	15.165	145	29.723	181	44.728	217	60 137
2	-24.630	38	-11 656	74	1 500	110	15.582	146	30 134	182	45.151	218	60 570
3	-24.200	39	-11 503	75	1.942	111	15-979	147	30.545	183	45.574	219	61.003
4	-23 947	40	-11.139	76	2.324	112	16.377	148	30 955	184	45.996	220	61.437
5	-23.601	41	-10 773	77	2 767	113	16.775	149	31.358	185	46.422	221	61.871
6	-23 254	42	-10 407	78	3 090	114	17.174	150	31.760	186	46.846	222	62.305
7	-22 908	43	-10 041	79	3.474	115	17.573	151	32.193	187	47.270	223	62.740
8	-22 558	44	-9.674	80	3 858	116	17.972	152	32 605	188	47 695	224	63.174
9	-22 210	45	-9.305	81	4 242	117	18.372	153	33 019	189	48.120	225	63 609
10	-21.850	46	-8.938	82	4 627	118	18.772	154	33.433	190	48.545	226	64.045
11	-21 511	47	-8 570	83	5 013	119	19.173	155	33 847	191	48.971	227	64.480
12	-21.151	48	-8.201	84	5 390	120	19 574	156	34 251	192	49 397	228	64.916
13	-20 810	49	-7.832	85	5 786	121	19.975	157	34 676	193	49 823	229	65.352
14	-20 458	50	-7 462	86	6.171	122	20.377	158	35 091	194	50 249	230	65.788
15	-20 107	51	-7.091	87	6 559	123	20 779	159	35.505	195	50.676	231	66.224
16	-19 754	52	-6.720	88	6 946	124	21.182	160	35 922	196	51.103	232	66.661
17	-19 401	53	-6 349	89	7 334	125	21.585	161	36 338	197	51 531	233	67.098
18	-19 048	54	-5.977	90	7.723	126	21.988	162	36 754	198	51.958	234	67.535
19	-18.694	55	-5.605	91	8.112	127	22.392	163	37.171	199	52.386	235	67.973
20	-18.339	56	-5 232	92	8.501	128	22.795	164	37.588	200	52 814	236	68 410
21	-17.984	57	-4 859	93	8.891	129	23.200	165	38 005	201	53.243	237	68 848
22	-17.629	58	-4.485	94	9 281	130	23 605	166	38 423	202	53 672	238	69 286
23	-17.272	59	-4.111	95	9.672	131	24 010	167	38.841	203	54.101	239	69.725
24	-16.916	60	-3.736	96	10.063	132	24 416	168	39 260	204	54 530	240	70 163
25	-16.559	61	-3 361	97	10.454	133	24 822	169	39 678	205	54 960	241	70 602
26	-16.201	62	-2.985	98	10.845	134	25 228	170	40 097	206	55 390	242	71.041
27	-15.843	63	-2.609	99	11 238	135	25 635	171	40 517	207	55.820	243	71.480
28	-15 484	64	-2 232	100	11 631	136	26 042	172	40 937	208	56.250	244	71.920
29	-15.125	65	-1.855	101	12.024	137	26 450	173	41 357	209	56 681	245	72 359
30	-14.765	66	-1.477	102	12 418	138	26.858	174	41.777	210	57.112	246	72.799
31	-14 405	67	-1 099	103	12 812	139	27 266	175	42.198	211	57.543	247	73 240
32	-14.044	68	-0 721	104	13 207	140	27 674	176	42 619	212	57 975	248	73.680
33	-13 682	69	-0 342	105	13 601	141	28.083	177	43 040	213	58.407	249	74.120
34	-13.320	70	0.038	106	13.997	142	28.493	178	43 461	214	58.839	250	74.561
35	-12.958	71	0.418	107	14 392	143	28 902	179	43 883	215	59.271	251	75.002
36	-12.595	72	0.798	108	14 789	144	29.312	180	44.306	216	59.704		

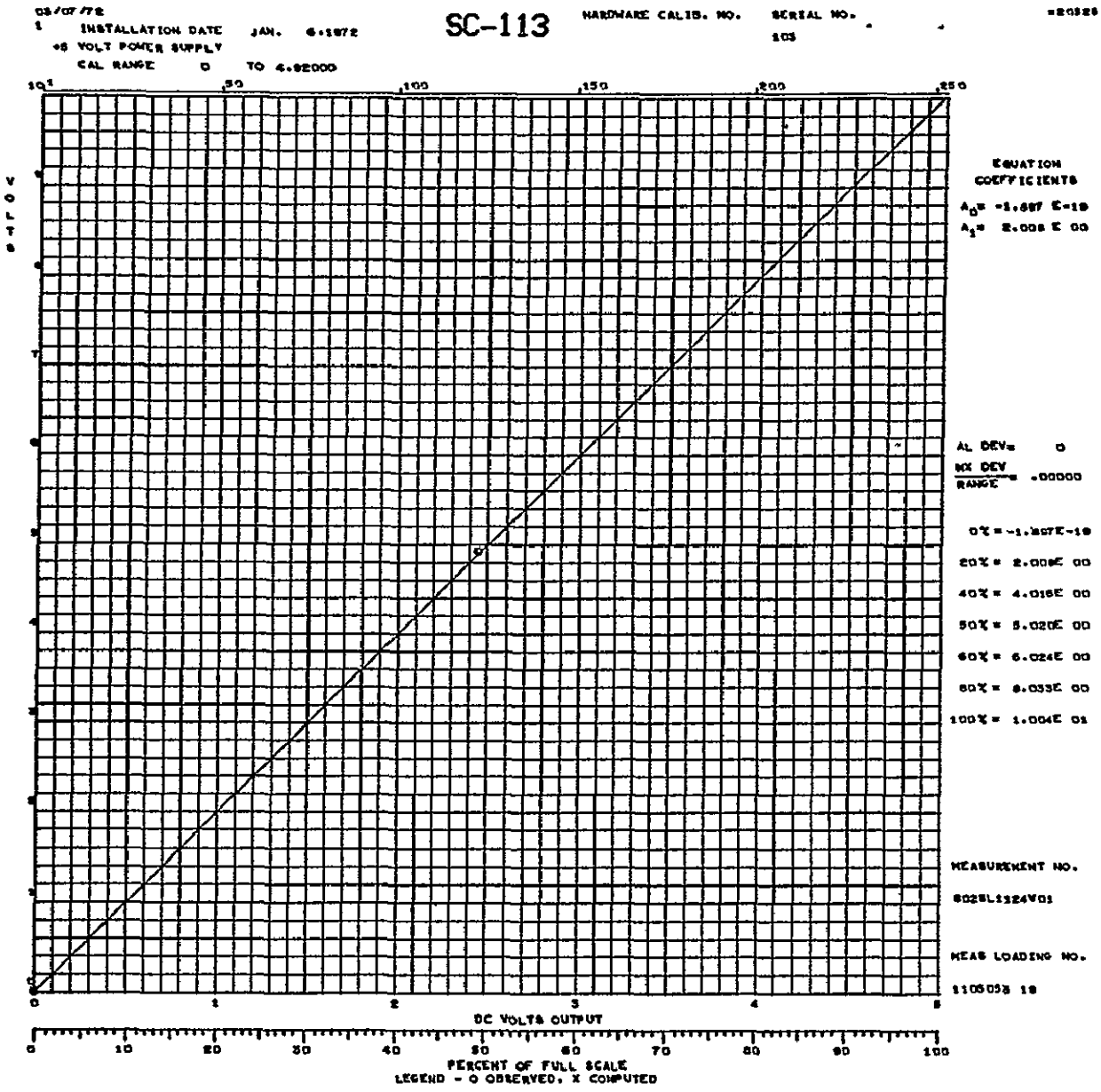

SC-113
INSTALLATION DATE JAN. 6.1972
+12 VOLT POWER SUPPLY
CAL RANGE 0 TO 12.0000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
AL DEV= 0
0% = -8.267E-10
20% = 3.053E 00
40% = 6.107E 00
50% = 7.634E 00
60% = 9.160E 00
80% = 1.221E 01
100% = 1.527E 01
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

+12 VOLT POWER SUPPLY

MEASUREMENT NO. 801SL1124V01
YEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 108
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	-0.000	37	2.198	73	4.397	109	6 595	145	8.794	181	10 992	217	13.191
2	0 051	38	2.250	74	4.456	110	6.656	146	8 865	182	11.053	218	13.252
3	0 122	39	2.321	75	4.519	111	6.718	147	8 915	183	11.115	219	13.313
4	0.183	40	2 382	76	4.580	112	6.779	148	8 977	184	11.176	220	13.374
5	0 244	41	2.443	77	4.641	113	6 040	149	9.038	185	11.237	221	13 435
6	0.305	42	2.504	78	4.702	114	6.901	150	9.099	186	11 298	222	13.496
7	0.366	43	2 565	79	4.763	115	6.962	151	9.160	187	11.359	223	13.557
8	0.427	44	2.626	80	4 824	116	7.023	152	9 221	188	11.420	224	13.618
9	0 489	45	2.687	81	4.885	117	7.084	153	9.282	189	11.481	225	13.679
10	0 550	46	2.748	82	4 947	118	7.145	154	9 344	190	11 542	226	13 740
11	0.611	47	2.809	83	5.008	119	7.205	155	9.405	191	11.603	227	13.802
12	0.672	48	2.870	84	5.069	120	7.267	156	9.466	192	11.664	228	13.863
13	0 733	49	2 931	85	5.130	121	7 328	157	9 527	193	11.725	229	13.924
14	0.794	50	2.992	86	5.191	122	7.389	158	9 588	194	11.785	230	13 985
15	0.855	51	3 053	87	5.252	123	7.450	159	9.649	195	11.847	231	14.046
16	0.916	52	3.115	88	5.313	124	7.511	160	9 710	196	11.908	232	14.107
17	0.977	53	3 176	89	5.374	125	7.573	161	9.771	197	11.969	233	14.168
18	1.038	54	3.237	90	5.435	126	7.634	162	9 832	198	12 031	234	14.229
19	1.099	55	3.298	91	5.495	127	7 695	163	9 893	199	12.092	235	14.290
20	1.160	56	3.359	92	5.557	128	7.756	164	9 954	200	12.153	236	14.351
21	1.221	57	3.420	93	5.618	129	7 817	165	10.015	201	12.214	237	14.412
22	1.282	58	3 481	94	5.679	130	7.878	166	10 076	202	12.275	238	14.473
23	1.344	59	3.542	95	5.740	131	7.939	167	10.137	203	12.336	239	14 534
24	1.405	60	3.605	96	5.802	132	8 000	168	10.198	204	12 397	240	14.595
25	1.466	61	3 664	97	5.863	133	8.061	169	10.260	205	12 458	241	14 656
26	1.527	62	3.725	98	5 924	134	8.122	170	10 321	206	12.519	242	14.718
27	1.588	63	3.785	99	5.985	135	8.183	171	10.382	207	12.580	243	14.779
28	1.649	64	3.847	100	6.046	136	8.244	172	10.443	208	12 641	244	14.840
29	1.710	65	3.908	101	6.107	137	8.305	173	10 504	209	12.702	245	14.901
30	1.771	66	3.969	102	6.168	138	8 366	174	10 565	210	12.763	246	14.962
31	1.832	67	4.031	103	6.229	139	8 427	175	10.626	211	12.824	247	15.023
32	1.893	68	4.092	104	6.290	140	8.489	176	10 687	212	12.885	248	15.084
33	1.954	69	4.153	105	6.351	141	8 550	177	10.748	213	12.947	249	15.145
34	2.015	70	4.214	106	6.412	142	8.611	178	10 809	214	13.008	250	15.205
35	2.076	71	4.275	107	6.473	143	8.672	179	10.870	215	13.069	251	15.267
36	2.137	72	4.336	108	6 534	144	8.733	180	10.931	216	13.130		



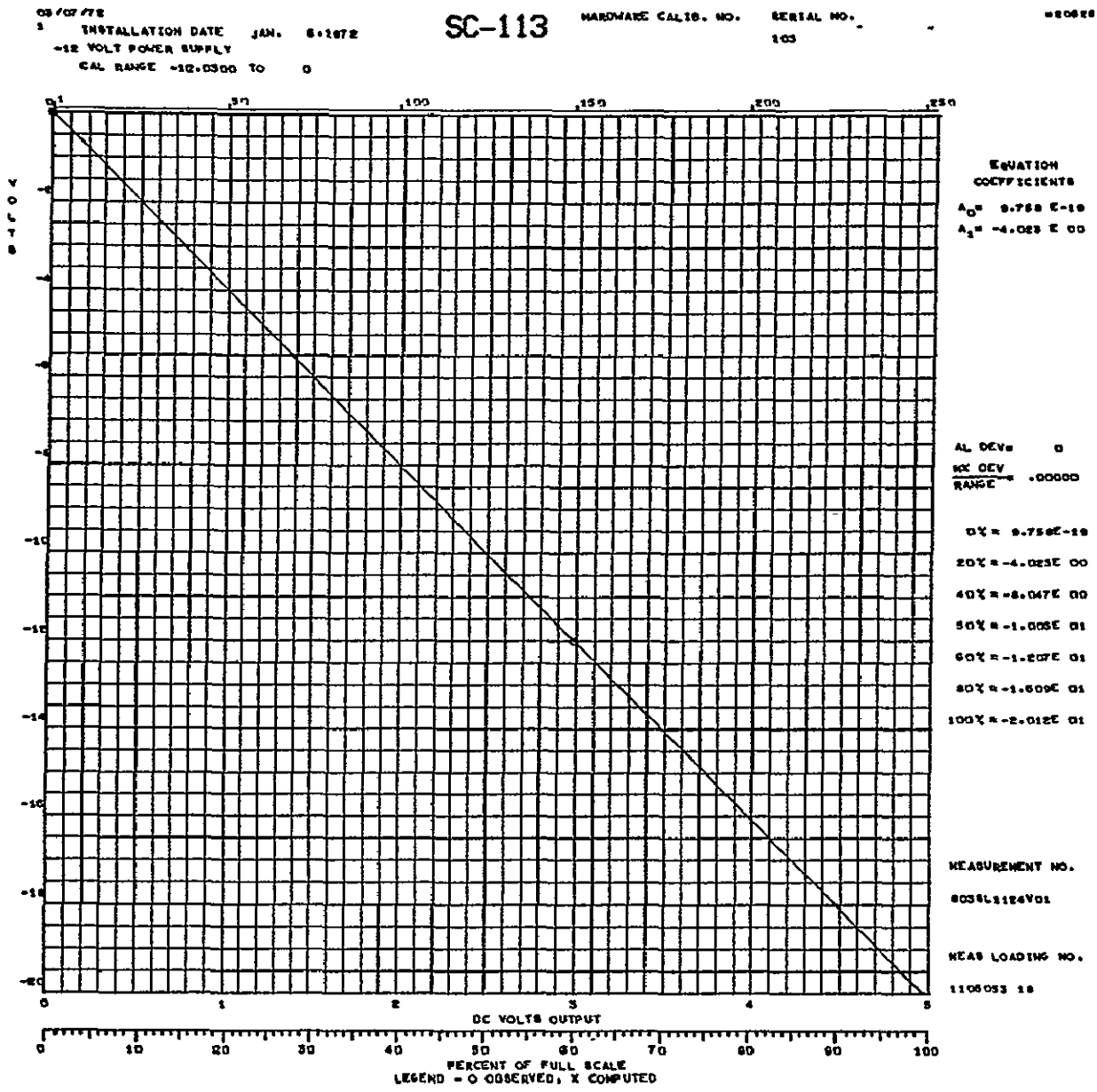
8 107 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

+5 VOLT POWER SUPPLY

MEASUREMENT NO. 602SL1124V01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/03/72

CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	-0 000	37	1.445	73	2.892	109	4.338	145	5 784	181	7.229	217	8 675
2	0 010	38	1 485	74	2 932	110	4.378	146	5 824	182	7 270	218	8 715
3	0 050	39	1 525	75	2 972	111	4 418	147	5.864	183	7 310	219	8 755
4	0.120	40	1 565	76	3 012	112	4.458	148	5.904	184	7.350	220	8.795
5	0.161	41	1.607	77	3 052	113	4.498	149	5.944	185	7 390	221	8.835
6	0.201	42	1.647	78	3 093	114	4.538	150	5.984	186	7 430	222	8 876
7	0 241	43	1.687	79	3.133	115	4.579	151	6.024	187	7.470	223	8.916
8	0 281	44	1 727	80	3.175	116	4.619	152	6.065	188	7.511	224	8.956
9	0.321	45	1.767	81	3 213	117	4.659	153	6.105	189	7.551	225	8 997
10	0.361	46	1 807	82	3 253	118	4 699	154	6.145	190	7.591	226	9 037
11	0.402	47	1.848	83	3 293	119	4.739	155	6.185	191	7.631	227	9.077
12	0.442	48	1.888	84	3 334	120	4.779	156	6.225	192	7.671	228	9.117
13	0 482	49	1 928	85	3 374	121	4.820	157	6.265	193	7.711	229	9.157
14	0.522	50	1.968	86	3.414	122	4.860	158	6.305	194	7.752	230	9.197
15	0.562	51	2 008	87	3.454	123	4.900	159	6.346	195	7.792	231	9 238
16	0.602	52	2 048	88	3 494	124	4.940	160	6.386	196	7 832	232	9 278
17	0.643	53	2 088	89	3 534	125	4.980	161	6.426	197	7.872	233	9 318
18	0.683	54	2 129	90	3 575	126	5.020	162	6.466	198	7.912	234	9 358
19	0.723	55	2.169	91	3 615	127	5.061	163	6.506	199	7 952	235	9 398
20	0.763	56	2.209	92	3.655	128	5.101	164	6.547	200	7.992	236	9.438
21	0.803	57	2 249	93	3.695	129	5.141	165	6.587	201	8.033	237	9 479
22	0.843	58	2.289	94	3 735	130	5.181	166	6.627	202	8.073	238	9 519
23	0.884	59	2 329	95	3 775	131	5.221	167	6.667	203	8.113	239	9.559
24	0.924	60	2 370	96	3.816	132	5.261	168	6.707	204	8.153	240	9 599
25	0.964	61	2.410	97	3.856	133	5.302	169	6.747	205	8.193	241	9.639
26	1.004	62	2.450	98	3.896	134	5.342	170	6.788	206	8 233	242	9.679
27	1.044	63	2.490	99	3 936	135	5.382	171	6 828	207	8.274	243	9 720
28	1.084	64	2.530	100	3.976	136	5 422	172	6.868	208	8.314	244	9 760
29	1.125	65	2.570	101	4.016	137	5.462	173	6.908	209	8.354	245	9.800
30	1.165	66	2.611	102	4.056	138	5.502	174	6 948	210	8.394	246	9 840
31	1 205	67	2.651	103	4 097	139	5.543	175	6 988	211	8.434	247	9.880
32	1.245	68	2.691	104	4.137	140	5.583	176	7.029	212	8.474	248	9.920
33	1.285	69	2.731	105	4.177	141	5.623	177	7.069	213	8.515	249	9.960
34	1.325	70	2.771	106	4.217	142	5 663	178	7.109	214	8 555	250	10.001
35	1.366	71	2.811	107	4.257	143	5.703	179	7.149	215	8.595	251	10.041
36	1.405	72	2.852	108	4.297	144	5.743	180	7.189	216	8.635		

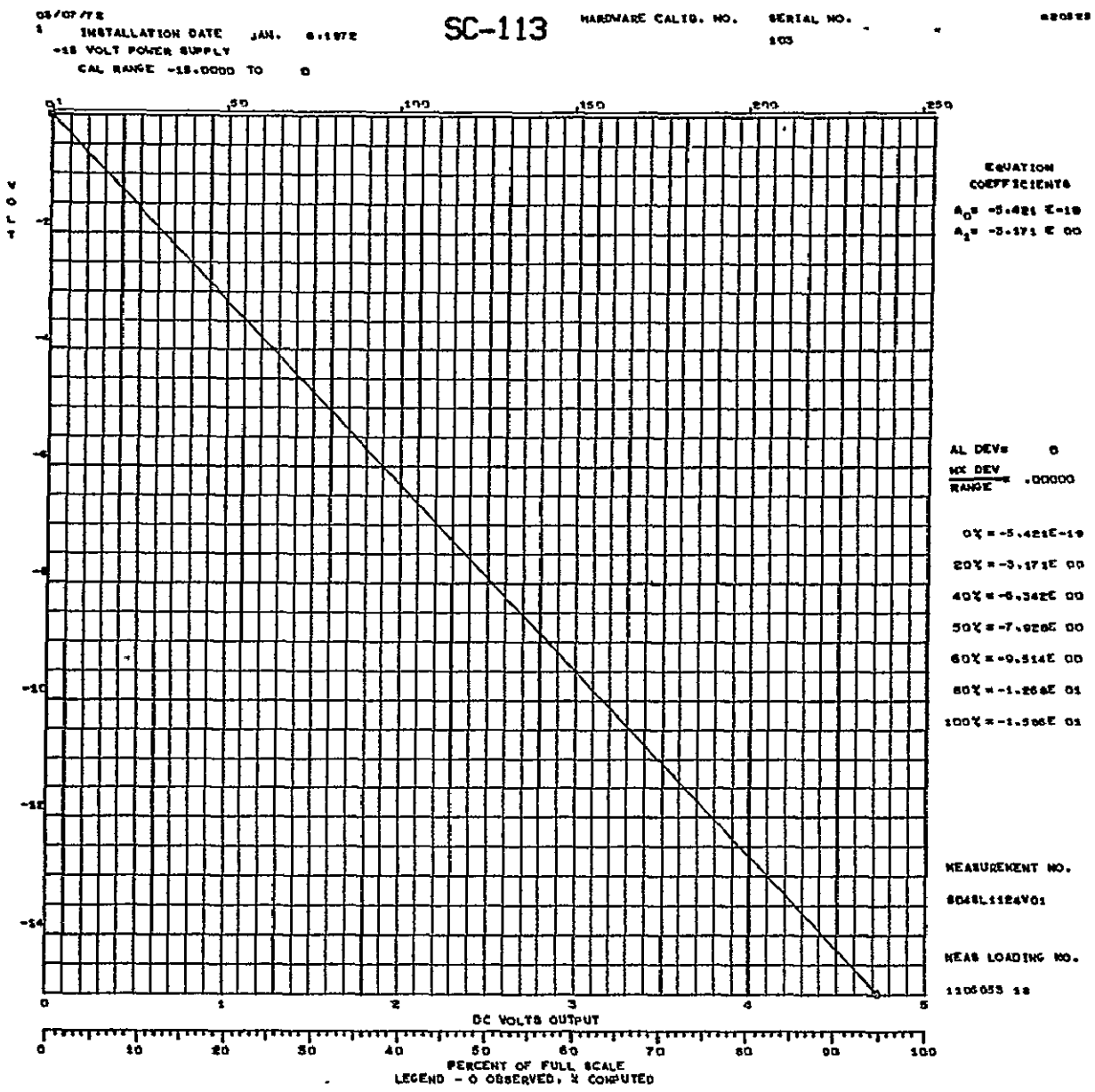

SC-113
INSTALLATION DATE JAN. 6 1972
-12 VOLT POWER SUPPLY
CAL RANGE -12.0300 TO 0
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
A_0= 9.758 E-18
A_1= -4.023 E 00
AL DEV= 0
MX DEV / RANGE = .00000
0% = 9.758E-18
20% = -4.023E 00
40% = -8.047E 00
50% = -1.005E 01
60% = -1.207E 01
80% = -1.609E 01
100% = -2.012E 01
MEASUREMENT NO.
8038L1124V01
MEAS LOADING NO.
1106053 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND = O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

-12 VOLT POWER SUPPLY

MEASUREMENT NO. 8035L112V01
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	0.000	37	-2 697	73	-5 794	109	-8 691	145	-11 567	181	-14 464	217	-17.361
2	-0.080	38	-2 977	74	-5 874	110	-8.771	146	-11 668	182	-14 565	218	-17.462
3	-0.161	39	-3 058	75	-5.065	111	-8.852	147	-11.748	183	-14 645	219	-17.542
4	-0.241	40	-3.138	76	-6.035	112	-8.932	148	-11.829	184	-14.726	220	-17.623
5	-0.322	41	-3 219	77	-6.116	113	-9 012	149	-11.900	185	-14.806	221	-17.703
6	-0.402	42	-3.299	78	-6.196	114	-9 003	150	-11.990	186	-14.887	222	-17.783
7	-0.483	43	-3.380	79	-6.277	115	-9.173	151	-12 070	187	-14.967	223	-17.864
8	-0.563	44	-3.460	80	-6 357	116	-9.254	152	-12 151	188	-15.018	224	-17.944
9	-0.644	45	-3 541	81	-6.437	117	-9 334	153	-12 231	189	-15.128	225	-18 025
10	-0.724	46	-3.621	82	-6 518	118	-9.415	154	-12 312	190	-15.208	226	-18.105
11	-0.805	47	-3.702	83	-6 593	119	-9.405	155	-12 392	191	-15.289	227	-18.186
12	-0.885	48	-3.782	84	-6 679	120	-9.576	156	-12 473	192	-15.369	228	-18.266
13	-0.966	49	-3.862	85	-6.759	121	-9.656	157	-12.553	193	-15.450	229	-18.347
14	-1 046	50	-3.943	86	-6.840	122	-9 737	158	-12 634	194	-15.530	230	-18 427
15	-1.127	51	-4.023	87	-6.920	123	-9 817	159	-12.714	195	-15.611	231	-18 508
16	-1.207	52	-4.104	88	-7.001	124	-9 898	160	-12.794	196	-15.691	232	-18.588
17	-1.287	53	-4.184	89	-7.081	125	-9.978	161	-12.875	197	-15.772	233	-18.669
18	-1.368	54	-4.265	90	-7.162	126	-10.059	162	-12 955	198	-15.852	234	-18.749
19	-1.448	55	-4.345	91	-7.242	127	-10.139	163	-13 035	199	-15.933	235	-18.830
20	-1.529	56	-4.425	92	-7.323	128	-10.219	164	-13.116	200	-16.013	236	-18.910
21	-1.609	57	-4.506	93	-7.403	129	-10 300	165	-13.197	201	-16.094	237	-18.991
22	-1.690	58	-4.587	94	-7.484	130	-10 380	166	-13.277	202	-16.174	238	-19.071
23	-1.770	59	-4.667	95	-7.564	131	-10 461	167	-13.358	203	-16.255	239	-19.151
24	-1.851	60	-4.748	96	-7.644	132	-10.541	168	-13.438	204	-16.335	240	-19.232
25	-1.931	61	-4 828	97	-7.725	133	-10 622	169	-13 519	205	-16.416	241	-19.312
26	-2.012	62	-4.909	98	-7.805	134	-10 702	170	-13.599	206	-16.496	242	-19.393
27	-2.092	63	-4.989	99	-7.886	135	-10.783	171	-13.680	207	-16 576	243	-19.473
28	-2.173	64	-5.069	100	-7.966	136	-10.863	172	-13 760	208	-16.657	244	-19 554
29	-2 253	65	-5.150	101	-8.047	137	-10.944	173	-13.841	209	-16.737	245	-19.634
30	-2.334	66	-5.230	102	-8.127	138	-11.024	174	-13.921	210	-16 818	246	-19.715
31	-2.414	67	-5.311	103	-8.208	139	-11.105	175	-14.001	211	-16.898	247	-19.795
32	-2 495	68	-5.391	104	-8.288	140	-11.185	176	-14.082	212	-16.979	248	-19.876
33	-2.575	69	-5 472	105	-8.369	141	-11.266	177	-14.162	213	-17.059	249	-19.956
34	-2 655	70	-5.552	106	-8.449	142	-11.346	178	-14.243	214	-17.140	250	-20.037
35	-2.736	71	-5.633	107	-8 530	143	-11.426	179	-14.323	215	-17.220	251	-20.117
36	-2.816	72	-5.713	108	-8.610	144	-11.507	180	-14 404	216	-17.301		



8 111 Charge 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

-15 VOLT POWER SUPPLY

MEASUREMENT NO. 00GL1124V01
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	VOLT	CNT	VOLT	CNT	VOLT	CNT	VOLT	CNT	VOLT	CNT	VOLT	CNT	VOLT
1	-0.000	37	-2.283	73	-4.567	109	-6 850	145	-9.133	181	-11.416	217	-13 700
2	-0.063	38	-2.347	74	-4 630	110	-6 913	146	-9 197	182	-11.480	218	-13 763
3	-0.127	39	-2.410	75	-4 693	111	-6.977	147	-9 260	183	-11.543	219	-13 827
4	-0.190	40	-2 474	76	-4.757	112	-7.040	148	-9 323	184	-11.607	220	-13.890
5	-0.254	41	-2 537	77	-4 820	113	-7.104	149	-9 387	185	-11 670	221	-13.953
6	-0.317	42	-2.600	78	-4 884	114	-7.167	150	-9 450	186	-11 734	222	-14.017
7	-0.381	43	-2.664	79	-4 947	115	-7.230	151	-9 514	187	-11.797	223	-14.080
8	-0.444	44	-2.727	80	-5.011	116	-7.294	152	-9.577	188	-11 C60	224	-14.144
9	-0 508	45	-2 791	81	-5 074	117	-7.357	153	-9 641	189	-11 024	225	-14 207
10	-0.571	46	-2 854	82	-5.137	118	-7.421	154	-9.704	190	-11.087	226	-14 271
11	-0.634	47	-2.918	83	-5 201	119	-7 484	155	-9.767	191	-12 051	227	-14 334
12	-0.698	48	-2 981	84	-5 254	120	-7.548	156	-9 831	192	-12.114	228	-14.397
13	-0.761	49	-3 044	85	-5.328	121	-7.611	157	-9.894	193	-12.178	229	-14 461
14	-0.825	50	-3.108	86	-5.391	122	-7.674	158	-9.958	194	-12.241	230	-14 524
15	-0.888	51	-3.171	87	-5.455	123	-7.738	159	-10.021	195	-12 304	231	-14.588
16	-0.951	52	-3 235	88	-5.518	124	-7.801	160	-10.085	196	-12.368	232	-14.651
17	-1.015	53	-3 298	89	-5.581	125	-7.865	161	-10 148	197	-12 431	233	-14.715
18	-1.078	54	-3.362	90	-5 645	126	-7.928	162	-10 211	198	-12 495	234	-14.778
19	-1.142	55	-3.425	91	-5.708	127	-7.992	163	-10 275	199	-12 558	235	-14.841
20	-1.205	56	-3.488	92	-5 772	128	-8.055	164	-10 338	200	-12 622	236	-14.905
21	-1.268	57	-3.552	93	-5.835	129	-8.118	165	-10.402	201	-12 685	237	-14.968
22	-1.332	58	-3.615	94	-5.899	130	-8 182	166	-10 465	202	-12.748	238	-15.032
23	-1.395	59	-3 679	95	-5 962	131	-8.245	167	-10 529	203	-12.812	239	-15.095
24	-1.459	60	-3 742	96	-6 025	132	-8.309	168	-10 592	204	-12 875	240	-15.159
25	-1.522	61	-3.805	97	-6 089	133	-8.372	169	-10 655	205	-12 939	241	-15.222
26	-1.585	62	-3.869	98	-6 152	134	-8.435	170	-10 719	206	-13 002	242	-15.285
27	-1.649	63	-3.932	99	-6 216	135	-8.499	171	-10 782	207	-13 066	243	-15.349
28	-1.712	64	-3 996	100	-6.279	136	-8 562	172	-10.846	208	-13 129	244	-15.412
29	-1.776	65	-4.059	101	-6.342	137	-8 626	173	-10.909	209	-13.192	245	-15.476
30	-1.839	66	-4.123	102	-6.406	138	-8.689	174	-10.973	210	-13.256	246	-15 539
31	-1.903	67	-4.186	103	-6.469	139	-8 753	175	-11.036	211	-13.319	247	-15.603
32	-1.956	68	-4.249	104	-6.533	140	-8.816	176	-11 099	212	-13.383	248	-15 666
33	-2.030	69	-4.313	105	-6.596	141	-8 879	177	-11.163	213	-13 446	249	-15.729
34	-2.093	70	-4.376	106	-6.660	142	-8 943	178	-11 226	214	-13.510	250	-15.793
35	-2.156	71	-4.440	107	-6.723	143	-9 006	179	-11 290	215	-13.573	251	-15.856
36	-2 220	72	-4 503	108	-6.786	144	-9.070	180	-11 353	216	-13.636		

8 112 Change 2

03/07/72

S INSTALLATION DATE JAN. 6,1972

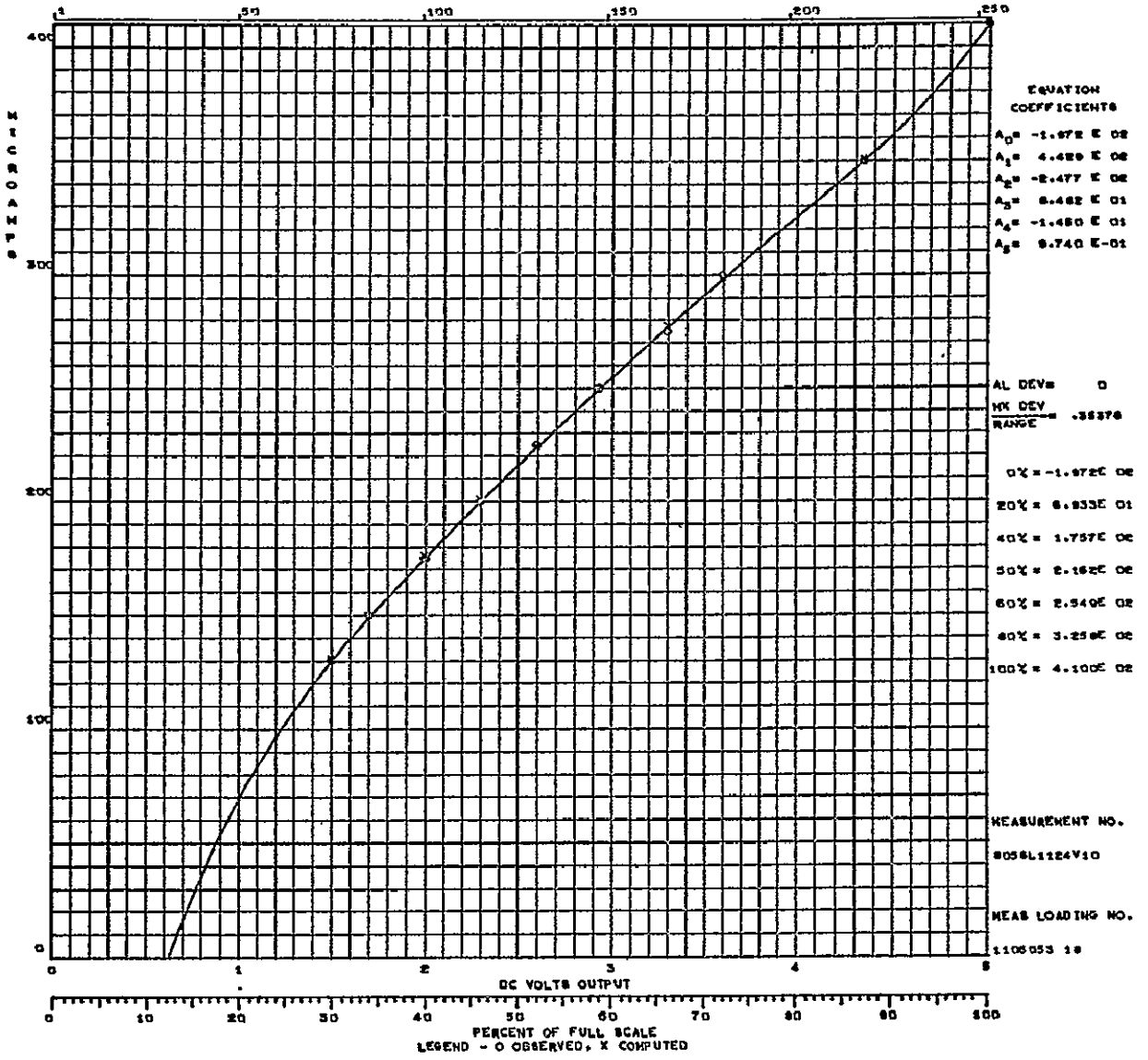
EMISSION CURRENT AT -25

CAL RANGE 130.000 TO 410.000

SC-113

HARDWARE CALIB. NO.

SERIAL NO. 103



EQUATION COEFFICIENTS

A_0= -1.972 E 02

A_1= 4.489 E 02

A_2= -2.477 E 02

A_3= 8.482 E 01

A_4= -1.480 E 01

A_5= 9.740 E-01

AL DEV= 0

HK DEV / RANGE = .35276

0% = -1.972E 02

20% = 6.833E 01

40% = 1.757E 02

50% = 2.162E 02

60% = 2.549E 02

80% = 3.258E 02

100% = 4.100E 02

MEASUREMENT NO.

8056L1124V10

MEAS LOADING NO.

1105053 18

8 113 Class 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

EMISSION CURRENT AT -25

MEASUREMENT NO. 0050_1124V10
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 105
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 01/05/72

CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON
1	-197.215	37	21.249	73	123.979	109	183.925	145	245.759	181	298 401	217	348 042
2	-188.455	38	25 164	74	126.056	110	190 558	146	247.208	182	299.671	218	349.494
3	-179.869	39	28.927	75	128.129	111	192.185	147	248.015	183	301.257	219	350.057
4	-171.513	40	32 749	76	130.158	112	193 009	148	250 338	184	302 640	220	352 452
5	-165.323	41	36.423	77	132.184	113	195.429	149	251.659	185	304.020	221	353.920
6	-155.316	42	40 022	78	134.177	114	197.044	150	253.376	186	305.396	222	355.423
7	-147.486	43	43.543	79	136.149	115	198.657	151	254 689	187	305.770	223	356.940
8	-139.832	44	46.999	80	138.101	116	200 235	152	256 309	188	308.141	224	358 473
9	-132 349	45	50 383	81	140.034	117	201.871	153	257.905	189	309.509	225	360.022
10	-125.033	46	53.699	82	141.947	118	203.475	154	259.409	190	310.874	226	361.590
11	-117.881	47	56.949	83	143.843	119	205.075	155	260 909	191	312.238	227	363.176
12	-110.888	48	60.135	84	145 722	120	206.659	156	262.405	192	313 599	228	364 782
13	-104.053	49	63.231	85	147.584	121	208.253	157	263 897	193	314.059	229	366 409
14	-97.371	50	66.325	86	149.431	122	209.854	158	265.385	194	316.317	230	368.056
15	-90.838	51	69 332	87	151.263	123	211.442	159	266.870	195	317.674	231	369.728
16	-84.452	52	72 282	88	153.080	124	213.028	160	268 350	196	319.031	232	371.423
17	-78.209	53	75.178	89	154.884	125	214.611	161	269.027	197	320.387	233	373.144
18	-72.105	54	78.021	90	156.675	126	215.191	162	271.299	198	321.742	234	374.891
19	-66.140	55	80.812	91	158.454	127	217.770	163	272.768	199	323 098	235	376.666
20	-60.307	56	83.554	92	160.221	128	219 345	164	274.232	200	324.454	236	378.470
21	-54.604	57	86.247	93	161.977	129	220 919	165	275.692	201	325.811	237	380.304
22	-49.029	58	88.895	94	163.722	130	222 490	166	277.148	202	327.170	238	382.170
23	-43.579	59	91.497	95	165.456	131	224.059	167	278.600	203	328.530	239	384.066
24	-38.249	60	94.056	96	167.182	132	225.625	168	280 047	204	329.892	240	385.002
25	-33.038	61	96.572	97	168.898	133	227.189	169	281.490	205	331.257	241	387.971
26	-27.943	62	99 048	98	170.605	134	228 750	170	282.929	206	332.625	242	389.977
27	-22 960	63	101.485	99	172.304	135	230 310	171	284.364	207	333.997	243	392.022
28	-18.088	64	103.891	100	173 995	136	231.866	172	285.794	208	335.373	244	394.107
29	-13.323	65	106.267	101	175.680	137	233.420	173	287.220	209	336.754	245	396.234
30	-8.662	66	108.574	102	177.356	138	234.972	174	288.642	210	338.140	246	398.405
31	-4.105	67	110.867	103	179.027	139	236 521	175	290.060	211	339.531	247	400.620
32	0.356	68	113 127	104	180.690	140	238.068	176	291 473	212	340.930	248	402.883
33	4.718	69	115.356	105	182.348	141	239 611	177	292.883	213	342.335	249	405.194
34	8.985	70	117.555	106	184.000	142	241.152	178	294.288	214	343.749	250	407.555
35	13.163	71	119 724	107	185.647	143	242.691	179	295.689	215	345.170	251	409.966
36	17.249	72	121.865	108	187.289	144	244 226	180	297.087	216	346.601		

8 114 Charge 2

GS/OFFSET

INSTALLATION DATE JAN. 8 1972

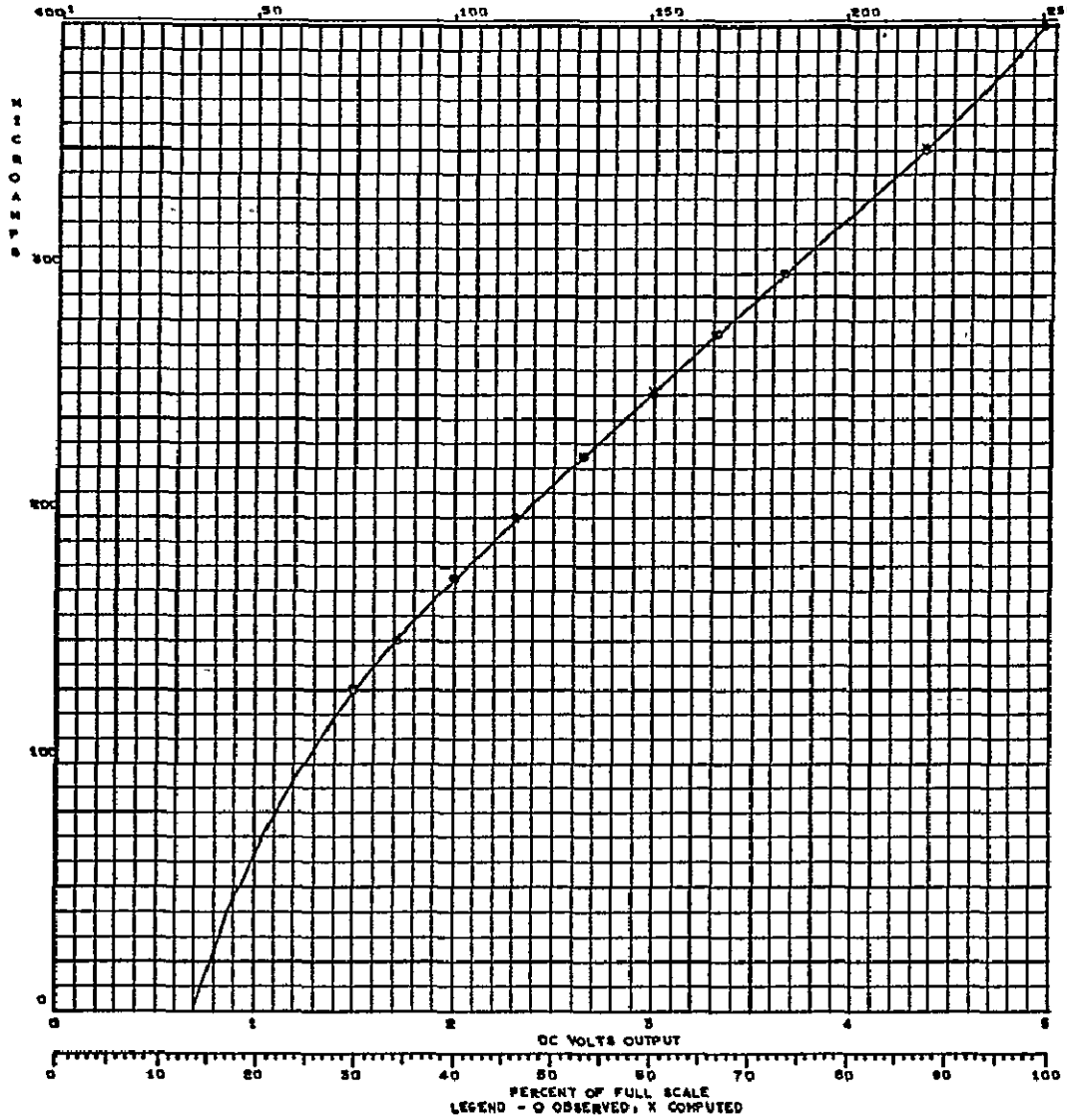
EMISSION CURRENT AT 0 DEG C

CAL RANGE 350.000 TO 400.000

SC-113

HARDWARE CALIB. NO.

SERIAL NO. 103



EQUATION COEFFICIENTS

A_0= -2.497 E 02

A_1= 8.268 E 02

A_2= -2.856 E 02

A_3= 9.460 E 01

A_4= -1.811 E 01

A_5= 9.484 E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .17441

0% = -2.497E 02

20% = 8.380E 01

40% = 1.749E 02

50% = 2.136E 02

60% = 2.511E 02

80% = 3.243E 02

100% = 4.051E 02

MEASUREMENT NO.

8056L1124V20

MEAS LOADING NO.

1105053 18

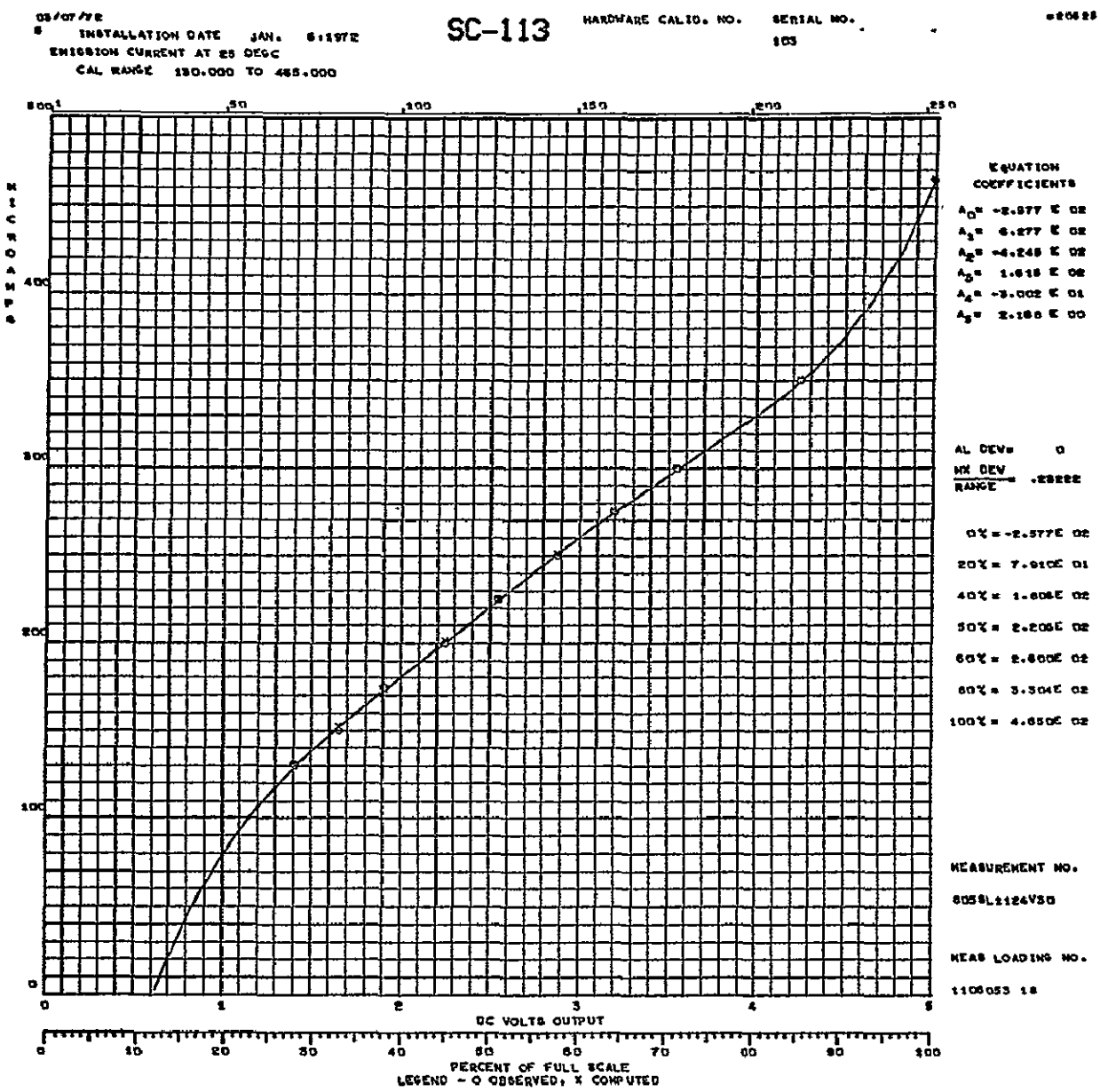
0 115 Charge 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

EMISSION CURRENT AT 0 DEGC

MEASUREMENT NO. 0050L1124V20
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON
1	-249.657	37	8 575	73	123 111	109	187.569	145	242.137	181	295 507	217	347.544
2	-239.244	38	13.112	74	125.291	110	189 125	146	243 639	182	297.051	218	348 812
3	-229.055	39	17.548	75	127.436	111	190 678	147	245.140	183	298 503	219	350 267
4	-219.107	40	21 879	76	129 549	112	192.225	148	2.6 641	184	290.953	220	351.768
5	-209.375	41	26 114	77	131 630	113	193 769	149	248 142	185	301.401	221	353.256
6	-199.856	42	30 253	78	133 681	114	195 307	150	249 642	186	302.847	222	354.753
7	-190 553	43	34 299	79	135.703	115	199 842	151	251 142	187	304.290	223	356.256
8	-181.458	44	38 255	80	137.698	116	198.374	152	252 641	188	305.732	224	357.772
9	-172.568	45	42.122	81	139.665	117	199.902	153	254 140	189	307.172	225	359.203
10	-163.870	46	45.904	82	141.607	118	201.427	154	255.638	190	308 610	226	360 631
11	-155.365	47	49.602	83	143 524	119	202 950	155	257.135	191	310 046	227	362.377
12	-147.034	48	53.218	84	145.416	120	204.470	156	258 632	192	311.481	228	363.034
13	-138.871	49	56.756	85	147.289	121	205.988	157	260 128	193	312.914	229	365.505
14	-131.043	50	60 217	86	149 138	122	207.505	158	261.623	194	314 346	230	367.088
15	-123.295	51	65.603	87	150.967	123	209 019	159	263.117	195	315.776	231	368 667
16	-115.723	52	66.917	88	152.775	124	210.532	160	264.610	196	317.205	232	370.300
17	-108.328	53	70.160	89	154.566	125	212.043	161	266.102	197	318.633	233	371.929
18	-101.101	54	73.335	90	156.339	126	213 553	162	267.592	198	320.061	234	373.575
19	-94.059	55	76.444	91	158.094	127	215.062	163	269 081	199	321.487	235	375.238
20	-87.139	56	79.488	92	159.833	128	216.570	164	270 569	200	322.914	236	376.920
21	-80.398	57	82.470	93	161.556	129	218.077	165	272.056	201	324 339	237	378.622
22	-73.812	58	85.391	94	163 264	130	219 564	166	273.541	202	325.765	238	380 345
23	-67.378	59	88.253	95	164.959	131	221.089	167	275.024	203	327.191	239	382 089
24	-61.092	60	91.059	96	166.640	132	222.595	168	276.505	204	328.618	240	383.855
25	-54.951	61	93.809	97	168.309	133	224.100	169	277.985	205	330.045	241	385 645
26	-48.952	62	96 505	98	169 965	134	225.604	170	279 464	206	331.473	242	387.460
27	-43.091	63	99.151	99	171 611	135	227.108	171	280.941	207	332.902	243	389.301
28	-37.356	64	101 747	100	173 245	136	228.612	172	282.415	208	334 333	244	391.169
29	-31.775	65	104.294	101	174.870	137	230.115	173	283.888	209	335 766	245	393.056
30	-26.309	66	106.794	102	176.486	138	231.619	174	285.359	210	337.201	246	394.991
31	-20.972	67	109.248	103	178.091	139	233.122	175	286.828	211	338.639	247	396.948
32	-15.756	68	111.660	104	179.689	140	234.625	176	288.295	212	340.080	248	398.936
33	-10.651	69	114 029	105	181 279	141	235.128	177	289.760	213	341.524	249	400.958
34	-5.663	70	116 357	106	182.851	142	237.630	178	291.222	214	342.972	250	403.014
35	-0.820	71	118 646	107	184 457	143	239.133	179	292.665	215	344.425	251	405.107
36	3.932	72	120.897	108	186 005	144	240 635	180	294.141	216	345.882		


INSTALLATION DATE JAN. 6:1972
EMISSION CURRENT AT 25 DEGC
CAL RANGE 130.000 TO 465.000
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
103
MICROAMPS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
AL DEV= 0
MX DEV / RANGE = .25222
0% = -2.577E 02
20% = 7.910E 01
40% = 1.606E 02
60% = 2.206E 02
80% = 3.504E 02
100% = 4.650E 02
MEASUREMENT NO.
8058L2124VSO
MEAS LOADING NO.
1106053 18

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

EMISSION CURRENT AT 25 DEG-C

MEASUREMENT NO. 605SL1121V3D
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	MICRO A	CNT	MICRO A	CNT	MICRO A	CNT	MICRO A	CNT	MICRO A	CNT	MICRO A	CNT	MICRO A
1	-257.717	37	25.761	73	132 443	109	193.369	145	250.710	181	303.004	217	356.525
2	-245.332	38	31.231	74	134 363	110	194.997	146	252 206	182	304.355	218	358 444
3	-233.279	39	36 555	75	136 297	111	196 564	147	253 817	183	305.704	219	360 407
4	-221.550	40	39 759	76	138.165	112	198.162	148	255.334	184	307.052	220	362 419
5	-210.138	41	43.846	77	140.019	113	199.760	149	256.905	185	308 398	221	364 482
6	-199.036	42	47.820	78	141.691	114	201.358	150	258 441	186	309 744	222	366.597
7	-188.235	43	51.665	79	143 712	115	202.957	151	259 972	187	311.000	223	368.769
8	-177.731	44	55.445	80	145.512	116	204.556	152	261.498	188	312.436	224	370 999
9	-167.514	45	59.105	81	147.255	117	206.156	153	263 017	189	313 704	225	373 290
10	-157.578	46	62.662	82	149 059	118	207.757	154	264 531	190	315.135	226	375.646
11	-147.917	47	66.127	83	150.803	119	209 357	155	266.038	191	316.488	227	378.088
12	-138.525	48	69 500	84	152 541	120	210.959	156	267.540	192	317.845	228	380.559
13	-129.391	49	72.765	85	154 251	121	212.550	157	269 035	193	319 203	229	383.124
14	-120.513	50	75.965	86	155 957	122	214.152	158	270 523	194	320.577	230	385.764
15	-111.883	51	79.105	87	157.662	123	215.754	159	272 005	195	321.951	231	388.483
16	-103.495	52	82.142	88	159.345	124	217.356	160	273.481	196	323.334	232	391.284
17	-95.344	53	85.105	89	161.018	125	218.958	161	274.949	197	324.725	233	394.171
18	-87.422	54	87.995	90	162.682	126	220.559	162	276 411	198	325.127	234	397.147
19	-79 724	55	90.817	91	164.337	127	222.170	163	277.057	199	327.540	235	400.215
20	-72 244	56	93 570	92	165 985	128	223 771	164	279 315	200	328 956	236	403.378
21	-64.976	57	96.258	93	167.625	129	225.371	165	280 757	201	330 404	237	406.641
22	-57.914	58	98.885	94	169.250	130	226 970	166	282.192	202	331.858	238	410.008
23	-51.054	59	101.452	95	170.838	131	228.569	167	283.620	203	333 328	239	413 481
24	-44.389	60	103 953	96	172 512	132	230.165	168	285.042	204	334.817	240	417.064
25	-37.914	61	106.419	97	174.151	133	231.761	169	286.457	205	336 324	241	420.765
26	-31.624	62	108 823	98	175.749	134	233.354	170	287.866	206	337.852	242	424.590
27	-25.513	63	111.177	99	177.357	135	234.946	171	289 259	207	339.402	243	428 519
28	-19.577	64	113.484	100	178.966	136	236.535	172	290 656	208	340 977	244	432.565
29	-13.811	65	115.745	101	180.572	137	238 123	173	292.056	209	342.577	245	436.784
30	-8 210	66	117.963	102	182.176	138	239.708	174	293.441	210	344 204	246	441.118
31	-2.768	67	120.140	103	183 778	139	241.290	175	294.021	211	345.851	247	445.592
32	2 518	68	122.277	104	185 378	140	242.859	176	295.195	212	347.549	248	450 210
33	7.654	69	124 376	105	186.978	141	244.444	177	297 565	213	349 270	249	454.977
34	12.644	70	126.443	106	188.576	142	246 017	178	298.931	214	351.027	250	459.899
35	17.492	71	128 474	107	190.174	143	247 585	179	300.292	215	352.020	251	464.979
36	22.205	72	130.473	108	191.772	144	249.150	180	301.649	216	354.652		

03/07/72

INSTALLATION DATE JAN. 6,1972

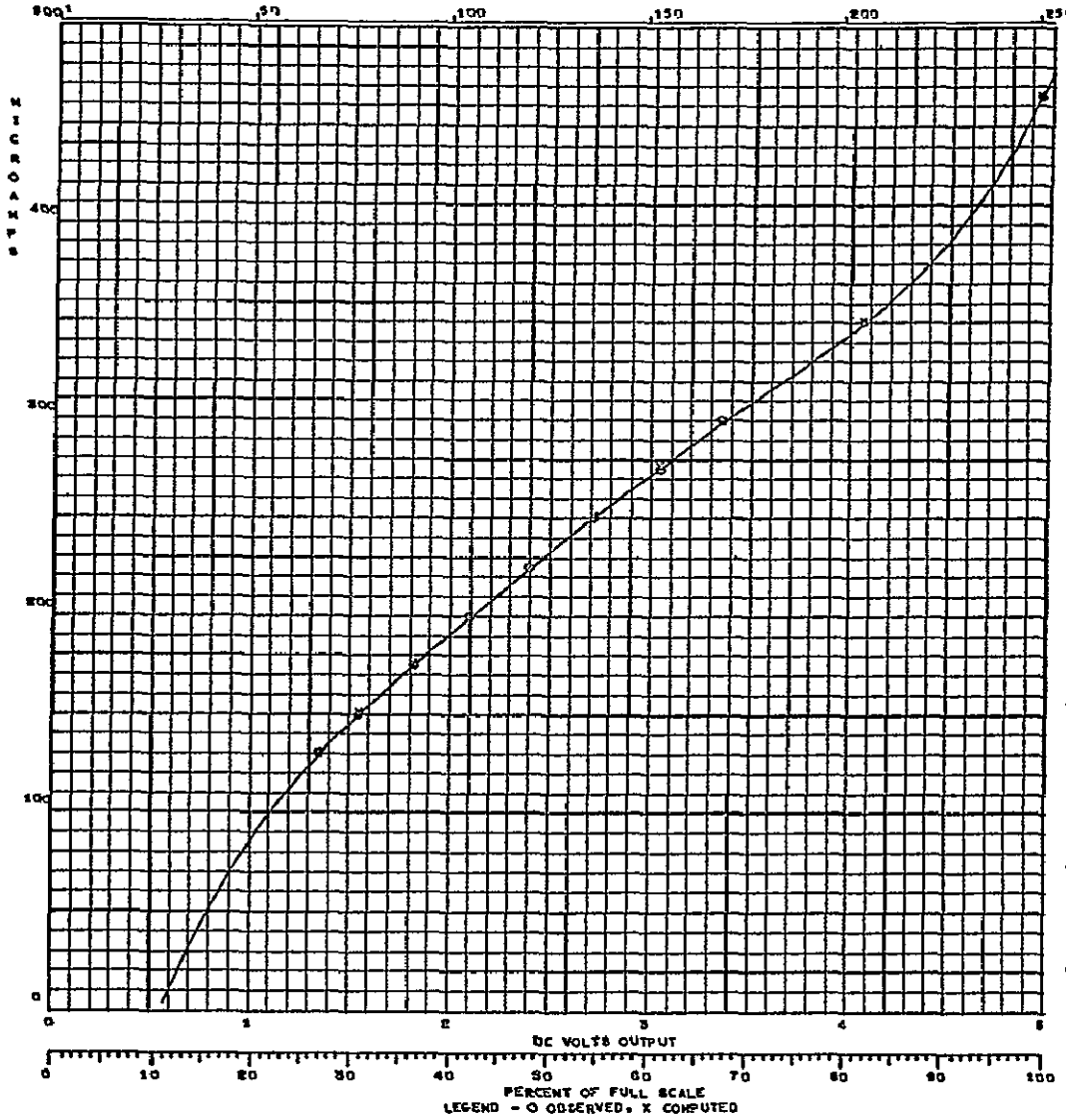
EMISSION CURRENT AT 41 DEGC

CAL RANGE 150.000 TO 465.000

SC-113

HARDWARE CALIB. NO.

SERIAL NO. 103



EQUATION COEFFICIENTS

A_0= -1.884 E 02

A_1= 4.897 E 02

A_2= -3.116 E 02

A_3= 1.170 E 02

A_4= -2.187 E 01

A_5= 1.604 E 00

AL DEV= 0

$\frac{MX\ DEV}{RANGE}$ = .16185

0% = -1.884E 02

20% = 6.546E 01

40% = 1.910E 02

50% = 2.327E 02

60% = 2.723E 02

80% = 3.447E 02

100% = 4.763E 02

MEASUREMENT NO.

8056L1124V40

MEAS LOADING NO.

1106053 16

**** CALIBRATION TABLE OF COUNTS VS EMISSION UNITS ( )

EMISSION CURRENT AT 41 DEGC

MEASUREMENT NO. 6055_112-V40
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO
CALIBRATION DATE 01/05/72

CNT	MICROA	CNT	MICROA	CNT	MICROA	CNT	MICROA	CNT	MICROA	CNT	MICROA	CNT	MICROA
1	-199 579	37	37.000	73	139 325	109	204.527	145	253 027	181	315.695	217	372.140
2	-180 709	38	41 002	74	141 300	110	205 215	146	254.582	182	317.209	218	374.124
3	-179 001	39	44 909	75	143 412	111	207 000	147	256.132	183	318 602	219	376.141
4	-170 422	40	48 727	76	145 421	112	208 562	148	257.677	184	320 057	220	378.201
5	-161.535	41	52 456	77	147 410	113	211.231	149	259 217	185	321.505	221	380 305
6	-152 407	42	56 039	78	149 378	114	212.657	150	270.752	186	322.910	222	382 457
7	-143 700	43	59.650	79	151.327	115	214.580	151	272 282	187	324.320	223	384.650
8	-135 211	44	63.142	80	153 258	116	215 220	152	273.805	188	325 734	224	385 910
9	-125 934	45	66 546	81	155.172	117	217.678	153	275 325	189	327.151	225	389 215
10	-116.653	46	69.875	82	157 070	118	219 533	154	276.838	190	328 572	226	391.576
11	-110.526	47	73.152	83	158.953	119	221 185	155	278 347	191	329 999	227	393.934
12	-103.324	48	76 319	84	160.820	120	222 835	156	279 849	192	331.451	228	396 475
13	-95.845	49	79.438	85	162.674	121	224.462	157	281 347	193	332 871	229	399 015
14	-88.554	50	82.462	86	164 515	122	225.126	158	282.039	194	334 318	230	401.621
15	-81 446	51	85.464	87	166 344	123	227.767	159	284.525	195	335.773	231	404.295
16	-74.517	52	88.415	88	168.151	124	229 405	160	285.005	196	337 238	232	407 039
17	-67.762	53	91 287	89	169 957	125	231 041	161	287.242	197	338 715	233	409 055
18	-61.176	54	94.100	90	171 762	126	232 674	162	288.752	198	340.199	234	412.748
19	-54 756	55	96 855	91	173 548	127	234.304	163	290 218	199	341 698	235	415.719
20	-48.490	56	99 574	92	175 325	128	235 931	164	291.678	200	343 209	236	418 770
21	-42 306	57	102 233	93	177.083	129	237 554	165	293 135	201	344 735	237	421 905
22	-36.447	58	104 843	94	178.853	130	239.175	166	294 583	202	346.277	238	425.127
23	-30.648	59	107 407	95	180.605	131	2.0 792	167	296 028	203	347.835	239	428 439
24	-24.993	60	109 925	96	182.349	132	242.405	168	297.459	204	349 412	240	431 043
25	-19.479	61	112 401	97	184.087	133	244.016	169	298 905	205	351.007	241	435 343
26	-14.103	62	114.835	98	185.819	134	245 622	170	300 330	206	352 622	242	438 042
27	-8.850	63	117.230	99	187.545	135	247.225	171	301.765	207	354 250	243	442 644
28	-3 747	64	119 587	100	189 255	136	248.824	172	303 193	208	355.920	244	445 451
29	1.210	65	121.907	101	190.979	137	250 419	173	304 611	209	357 605	245	450 357
30	6.104	66	124.192	102	192 689	138	252 011	174	305 028	210	359.316	246	454.365
31	10.849	67	126.443	103	194.394	139	253 598	175	307.442	211	361 054	247	458.540
32	15.476	68	128 663	104	196 094	140	255 180	176	308 854	212	362.821	248	462 805
33	19.994	69	130 851	105	197.791	141	256.759	177	310 253	213	364 618	249	467.190
34	24.402	70	133 011	106	199 483	142	258.333	178	311 671	214	366 449	250	471 703
35	28.708	71	135 142	107	201.171	143	259 902	179	313.077	215	368 312	251	476 347
36	32.901	72	137 247	108	202.856	144	261.467	180	314.481	216	370 212		

0 120 Change 2

03/07/72

INSTALLATION DATE JAN. 6.1972

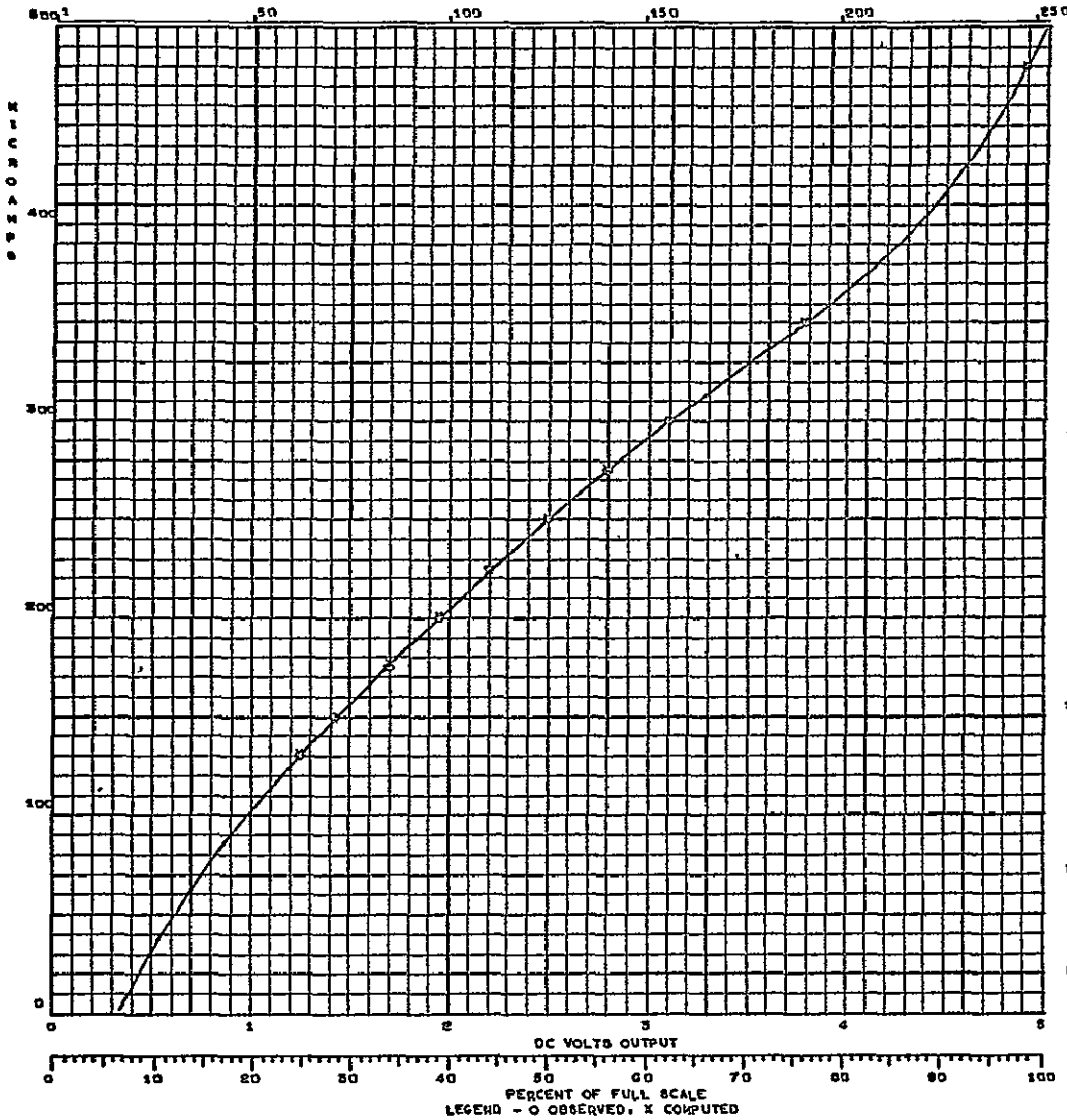
EMISSION CURRENT AT 65 DEGC

CAL RANGE 150.000 TO 480.000

SC-113

HARDWARE CAL ID. NO.

SERIAL NO. 103



EQUATION COEFFICIENTS

A_0= -7.284 E 01

A_1= 2.681 E 02

A_2= -1.368 E 02

A_3= 5.635 E 01

A_4= -1.189 E 01

A_5= 9.74E E-01

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .00021

0% = -7.284E 01

20% = 1.023E 02

40% = 2.051E 02

50% = 2.503E 02

60% = 2.916E 02

80% = 3.672E 02

100% = 5.013E 02

MEASUREMENT NO.

8058L1124V00

MEAS LOADING NO.

1105053 18

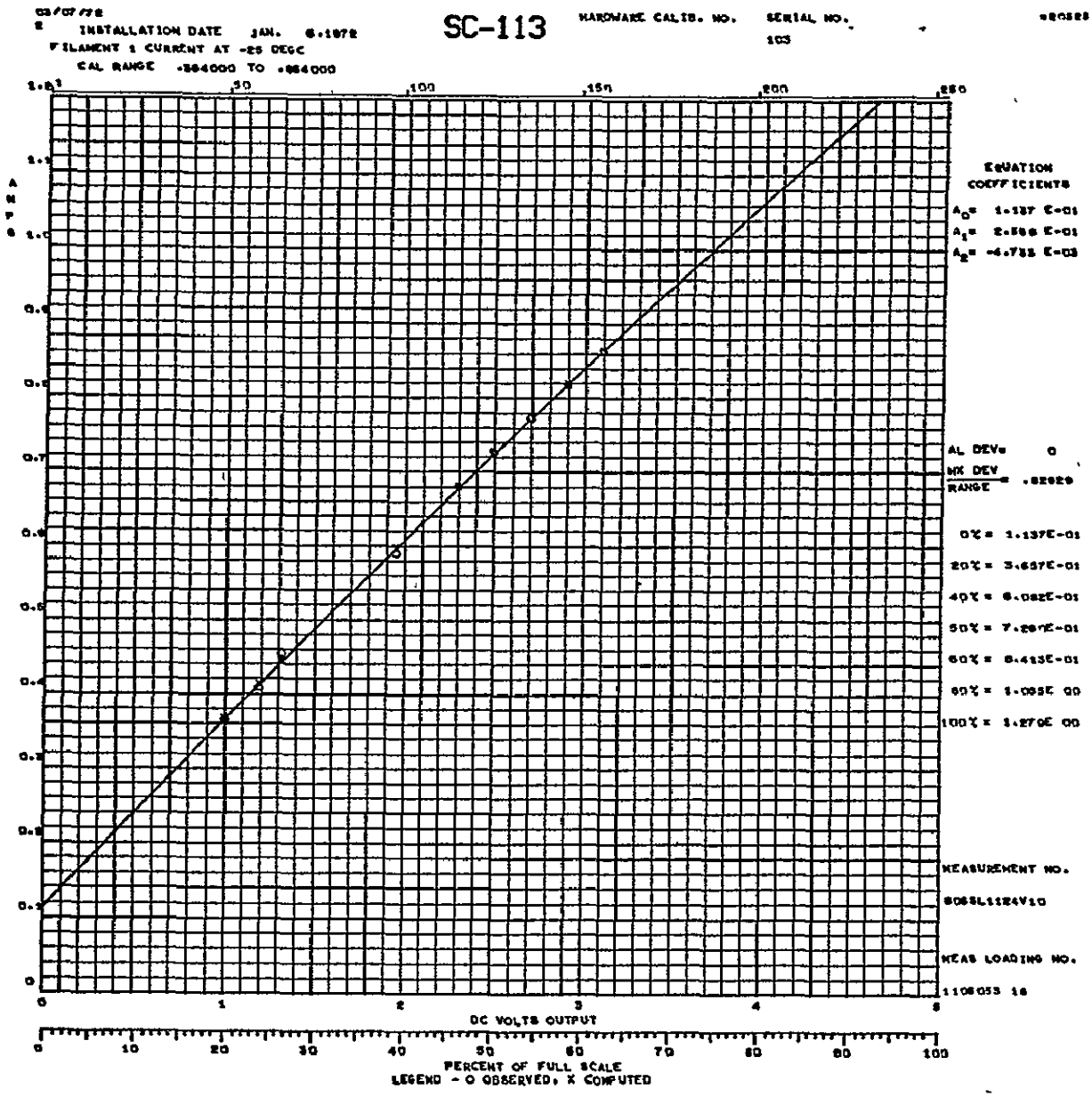
8 121 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

EMISSION CURRENT AT 65 DEGC

MEASUREMENT NO. 0050L1124V50
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 01/08/72

CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON	CNT	MICRON
1	-72 640	37	66.154	73	150.523	109	219.075	145	282 219	181	335 732	217	395.367
2	-67 373	38	68 958	74	152 534	110	221 705	146	283.632	182	338.195	218	398 477
3	-62.213	39	71.714	75	154 596	111	223.532	147	285 437	183	339 660	219	400 605
4	-57.156	40	74 435	76	156 629	112	225.353	148	287.039	184	341.128	220	402.777
5	-52 201	41	77.120	77	158.634	113	227.170	149	288 627	185	342.600	221	404 991
6	-47.345	42	79.773	78	160.641	114	228 931	150	290 212	186	344.075	222	407.250
7	-42 585	43	82.392	79	162.640	115	230 767	151	291 790	187	345.556	223	409.555
8	-37.919	44	84.981	80	164.631	116	232 588	152	293 362	188	347.041	224	411 909
9	-33 344	45	87.539	81	166 615	117	234 383	153	294.925	189	348 532	225	414.313
10	-28.858	46	90.058	82	168.592	118	236 173	154	296 484	190	350 031	226	416.769
11	-24 459	47	92 569	83	170.562	119	237.958	155	298 036	191	351.536	227	419 279
12	-20.144	48	95.013	84	172.525	120	239.738	156	299 582	192	353.050	228	421.845
13	-15.911	49	97.491	85	174.483	121	241 511	157	301.121	193	354.573	229	424 456
14	-11.759	50	99 914	86	176.434	122	243 200	158	302.654	194	356.105	230	427.151
15	-7.684	51	102 312	87	178 379	123	245 042	159	304 181	195	357.649	231	429.895
16	-3.685	52	104 687	88	180.319	124	246.799	160	305.702	196	359 204	232	432.705
17	0.241	53	107 040	89	182.252	125	248.549	161	307.217	197	360 772	233	435.580
18	4 088	54	109.372	90	184.180	126	250.294	162	308 727	198	362 353	234	438.523
19	7.879	55	111 683	91	186.103	127	252.033	163	310 232	199	363.948	235	441.537
20	11.595	56	115.973	92	188.021	128	253.765	164	311.732	200	365.559	236	444.623
21	15 248	57	116.245	93	189.933	129	255.492	165	313.226	201	367.185	237	447.783
22	18.835	58	118.498	94	191.840	130	257.212	166	314.717	202	368.831	238	451.022
23	22.361	59	120.734	95	193 743	131	258.928	167	316.203	203	370.494	239	454.339
24	25.826	60	122 952	96	195.640	132	260.633	168	317.684	204	372.176	240	457.739
25	29 233	61	125.154	97	197.533	133	262.334	169	319 162	205	373 879	241	461.223
26	32.584	62	127.341	98	199.420	134	264.028	170	320 637	206	375.604	242	464.794
27	35.880	63	129 512	99	201 303	135	265.716	171	322.108	207	377.353	243	468.455
28	39 122	64	131.670	100	203.182	136	267.397	172	323 577	208	379.125	244	472.208
29	42.313	65	133.813	101	205.055	137	269 071	173	325.043	209	380.923	245	476.055
30	45.454	66	135.943	102	206.924	138	270.739	174	326.507	210	382.748	246	480.000
31	48.546	67	138.060	103	208.789	139	272 400	175	327.969	211	384.601	247	484.045
32	51.591	68	140.165	104	210.648	140	274 053	176	329 430	212	386.483	248	488.192
33	54.591	69	142 258	105	212 503	141	275 700	177	330 890	213	388.396	249	492.445
34	57.547	70	144.340	106	214 353	142	277.340	178	332 350	214	390 342	250	496.806
35	60.460	71	146.411	107	216.199	143	278.974	179	333.810	215	392 321	251	501.282
36	63.332	72	148 472	108	218.039	144	280 600	180	335 270	216	394.336		


SC-113
INSTALLATION DATE JAN. 6.1972
FILAMENT 1 CURRENT AT -25 DEGC
CAL RANGE -.864000 TO +.864000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
A_0= 1.137 E-01
A_1= 2.556 E-01
A_2= -4.735 E-03
AL DEV= 0
MX DEV / RANGE = .02929
0% = 1.137E-01
20% = 3.657E-01
40% = 6.082E-01
50% = 7.291E-01
60% = 8.413E-01
80% = 1.095E 00
100% = 1.270E 00
MEASUREMENT NO.
8065L11Z4V10
MEAS LOADING NO.
1108053 16
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 1 CURRENT AT -25 DEGC

MEASUREMENT NO. 0059L1124V10
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0.114	37	0 295	73	0.474	109	0 646	145	0 814	181	0.977	217	1.135
2	0.119	38	0.301	74	0.478	110	0 651	146	0 818	182	0.981	218	1.139
3	0.124	39	0 305	75	0.483	111	0.656	147	0 823	183	0.985	219	1.143
4	0.129	40	0.311	76	0.488	112	0.660	148	0.828	184	0 990	220	1.147
5	0 134	41	0 315	77	0.493	113	0 665	149	0 832	185	0.994	221	1.152
6	0.139	42	0 321	78	0.498	114	0 670	150	0.837	186	0 999	222	1.156
7	0.144	43	0.326	79	0.503	115	0.674	151	0 841	187	1.003	223	1.160
8	0.150	44	0.331	80	0.508	116	0 679	152	0.846	188	1.008	224	1.165
9	0.155	45	0.336	81	0.512	117	0.684	153	0 850	189	1.012	225	1.169
10	0.160	46	0.341	82	0.517	118	0.689	154	0 855	190	1.017	226	1.173
11	0.165	47	0.345	83	0.522	119	0.693	155	0.860	191	1.021	227	1.178
12	0.170	48	0 351	84	0.527	120	0.698	156	0.864	192	1.025	228	1.182
13	0.175	49	0.355	85	0.532	121	0 703	157	0 869	193	1.030	229	1.185
14	0.180	50	0.361	86	0.536	122	0.707	158	0.873	194	1.034	230	1.190
15	0.185	51	0.366	87	0.541	123	0.712	159	0.878	195	1.039	231	1.195
16	0.190	52	0.371	88	0.545	124	0.717	160	0.882	196	1.043	232	1.199
17	0.195	53	0.376	89	0.551	125	0.721	161	0.887	197	1.047	233	1.203
18	0.200	54	0.381	90	0.555	126	0.726	162	0 891	198	1.052	234	1.207
19	0.205	55	0.385	91	0.560	127	0.731	163	0.896	199	1.056	235	1.212
20	0.211	56	0 390	92	0.565	128	0.735	164	0 900	200	1.061	236	1.216
21	0.216	57	0 395	93	0.570	129	0 740	165	0 905	201	1.065	237	1.220
22	0.221	58	0.400	94	0.575	130	0.745	166	0.909	202	1 069	238	1.224
23	0.225	59	0.405	95	0.580	131	0.749	167	0.914	203	1.074	239	1.229
24	0.231	60	0.410	96	0.584	132	0.754	168	0 918	204	1.078	240	1.233
25	0.236	61	0.415	97	0.589	133	0.759	169	0 923	205	1.082	241	1.237
26	0.241	62	0.420	98	0.594	134	0.763	170	0 927	206	1.087	242	1.241
27	0.246	63	0.425	99	0.599	135	0.768	171	0.932	207	1.091	243	1.246
28	0.251	64	0.430	100	0.603	136	0.772	172	0.936	208	1.096	244	1.250
29	0.256	65	0.435	101	0.608	137	0.777	173	0.941	209	1.100	245	1.254
30	0.261	66	0 439	102	0.613	138	0.782	174	0 945	210	1.104	246	1.258
31	0.266	67	0.444	103	0.618	139	0.786	175	0.950	211	1.109	247	1.262
32	0.271	68	0.449	104	0.622	140	0 791	176	0 954	212	1.113	248	1.267
33	0.276	69	0.454	105	0.627	141	0.795	177	0 959	213	1.117	249	1.271
34	0.281	70	0.459	106	0.632	142	0.800	178	0.963	214	1.122	250	1.275
35	0.286	71	0.464	107	0.637	143	0.805	179	0.968	215	1.125	251	1.279
36	0.291	72	0.469	108	0.641	144	0.809	180	0.972	216	1.130		

03/08/72

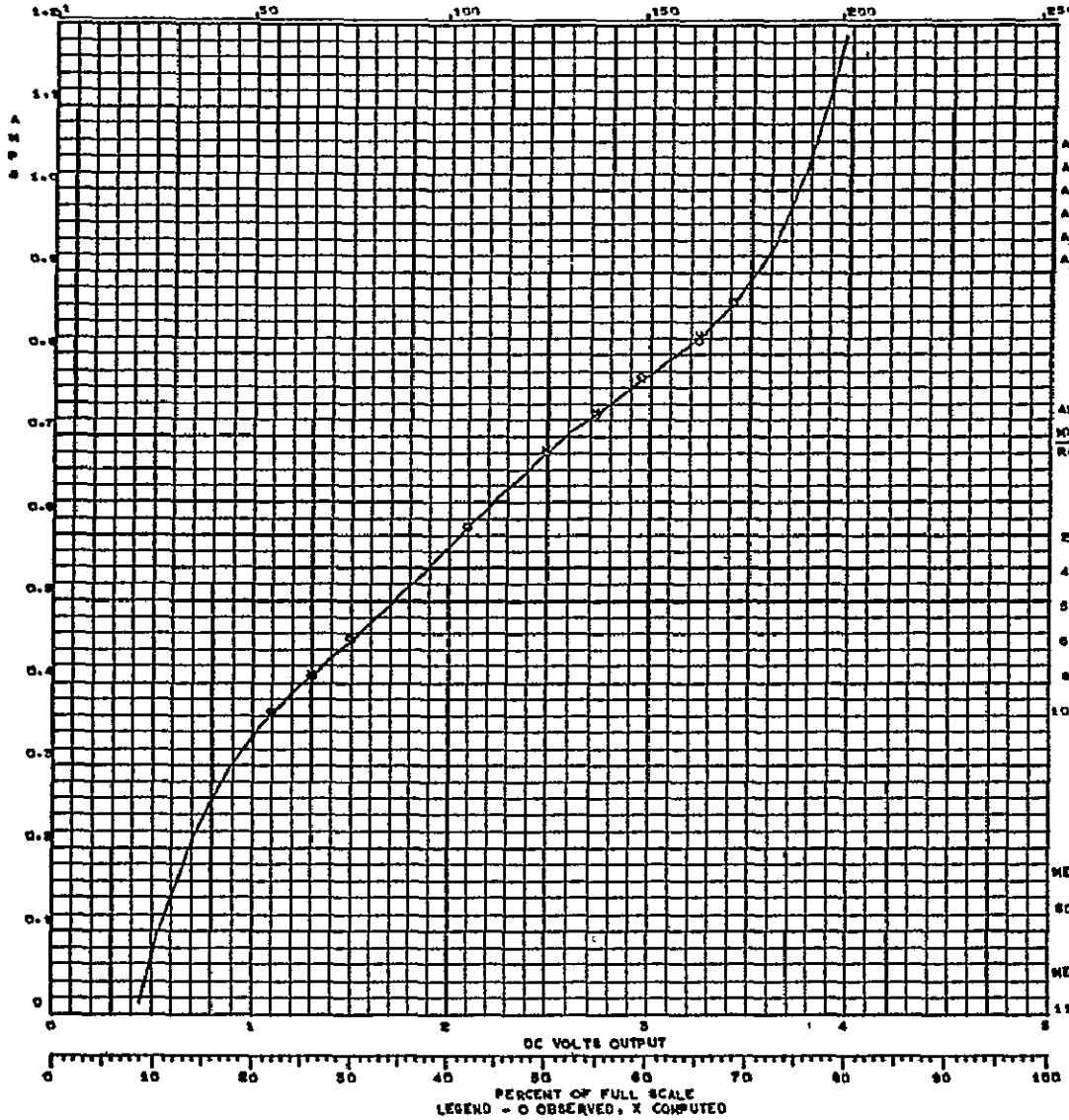
S INSTALLATION DATE JAN. 6.1972

FILAMENT 1 CURRENT AT 0 DEGC

CAL RANGE .364000 TO .864000

SC-113

HARDWARE CALIB. NO. SERIAL NO. 103



EQUATION COEFFICIENTS

A_0= -6.955 E-01
A_1= 2.482 E 00
A_2= -2.361 E 00
A_3= 1.102 E 00
A_4= -2.660 E-01
A_5= 2.663 E-02

AL DEV= 0

MX DEV / RANGE = .0F364

0% = -6.955E-01
20% = 5.358E-01
40% = 8.697E-01
50% = 6.622E-01
60% = 7.757E-01
80% = 1.227E 00
100% = 4.854E 00

MEASUREMENT NO.

SOSSL1124VEO

MEAS LOADING NO.

1106053 16

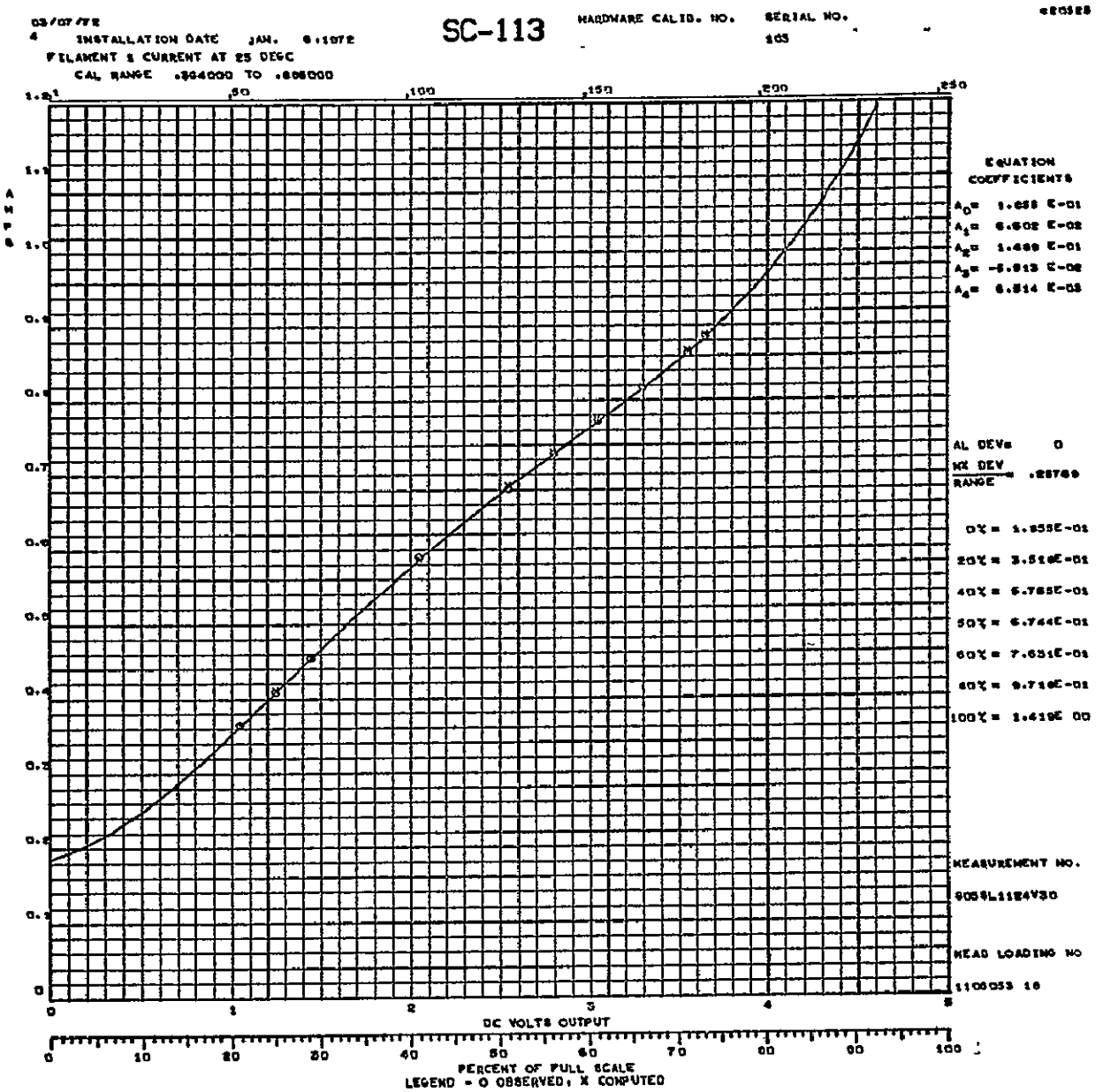
8 125 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 1 CURRENT AT 0 DEGC

MEASUREMENT NO 605SL1124V20
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	-0 696	37	0 223	73	0.440	109	0 604	145	0.755	181	0 927	217	1 768
2	-0.647	38	0 255	74	0.444	110	0 609	146	0 759	182	0 935	218	1.015
3	-0 601	39	0 2.5	75	0.448	111	0.614	147	0 762	183	0.945	219	1.055
4	-0.556	40	0.255	76	0.452	112	0 618	148	0.765	184	0.955	220	1.916
5	-0.515	41	0 254	77	0.457	113	0 623	149	0 769	185	0.555	221	1.059
6	-0.472	42	0.272	78	0.461	114	0 628	150	0 772	185	0.976	222	2 024
7	-0.432	43	0 281	79	0.455	115	0.633	151	0 776	187	0.938	223	2.082
8	-0 394	44	0.283	80	0.470	116	0 637	152	0 779	188	1.000	224	2 142
9	-0.357	45	0 295	81	0.474	117	0 642	153	0 783	189	1.013	225	2 204
10	-0.322	46	0.313	82	0.478	118	0 647	154	0 786	190	1.005	226	2.268
11	-0.289	47	0 310	83	0.483	119	0 651	155	0 790	191	1.041	227	2.335
12	-0.256	48	0.317	84	0.407	120	0 656	156	0 793	192	1.055	228	2 404
13	-0.225	49	0 324	85	0.491	121	0.660	157	0 797	193	1.071	229	2.475
14	-0.195	50	0 330	86	0.495	122	0.665	158	0 800	194	1 087	230	2.550
15	-0.157	51	0 335	87	0.500	123	0 669	159	0 804	195	1.105	231	2.627
16	-0.140	52	0.342	88	0.505	124	0.674	160	0.800	196	1.123	232	2 707
17	-0.113	53	0.347	89	0.509	125	0.678	161	0 811	197	1.141	233	2.789
18	-0.008	54	0 353	90	0.514	125	0.682	162	0 815	198	1.161	234	2 875
19	-0 054	55	0.358	91	0.519	127	0 685	163	0.819	199	1.182	235	2 953
20	-0.041	56	0.363	92	0.523	128	0 691	154	0 824	200	1 204	236	3.055
21	-0.019	57	0 368	93	0.528	129	0.695	165	0 828	201	1 227	237	3.150
22	0.002	58	0.373	94	0.533	130	0 699	166	0 832	202	1.251	238	3 248
23	0.022	59	0.378	95	0.537	131	0 703	167	0 837	203	1.276	239	3 349
24	0.041	60	0.383	96	0.542	132	0.707	168	0 042	204	1.302	240	3 454
25	0.059	61	0.388	97	0.547	133	0.711	169	0 047	205	1.329	241	3 562
26	0.077	62	0.392	98	0.551	134	0.715	170	0 852	206	1.358	242	3.674
27	0.094	63	0 397	99	0.556	135	0 719	171	0 857	207	1 388	243	3.789
28	0.110	64	0 401	100	0.561	135	0 723	172	0 863	208	1 419	244	3.908
29	0.125	65	0.405	101	0.566	137	0.725	173	0 869	209	1.451	245	4.031
30	0.140	66	0 410	102	0.571	138	0 730	174	0 875	210	1.485	246	4.158
31	0.154	67	0.414	103	0.575	139	0 734	175	0.881	211	1.521	247	4 288
32	0.167	68	0.419	104	0.580	140	0 737	176	0 888	212	1.558	248	4.423
33	0 100	69	0 423	105	0.585	141	0 741	177	0 895	213	1 597	249	4.562
34	0.192	70	0.427	106	0.590	142	0 745	178	0 902	214	1 637	250	4.706
35	0 204	71	0 431	107	0.595	143	0 748	179	0 910	215	1.679	251	4.854
36	0.215	72	0.436	108	0.599	144	0 752	180	0 918	216	1.723		

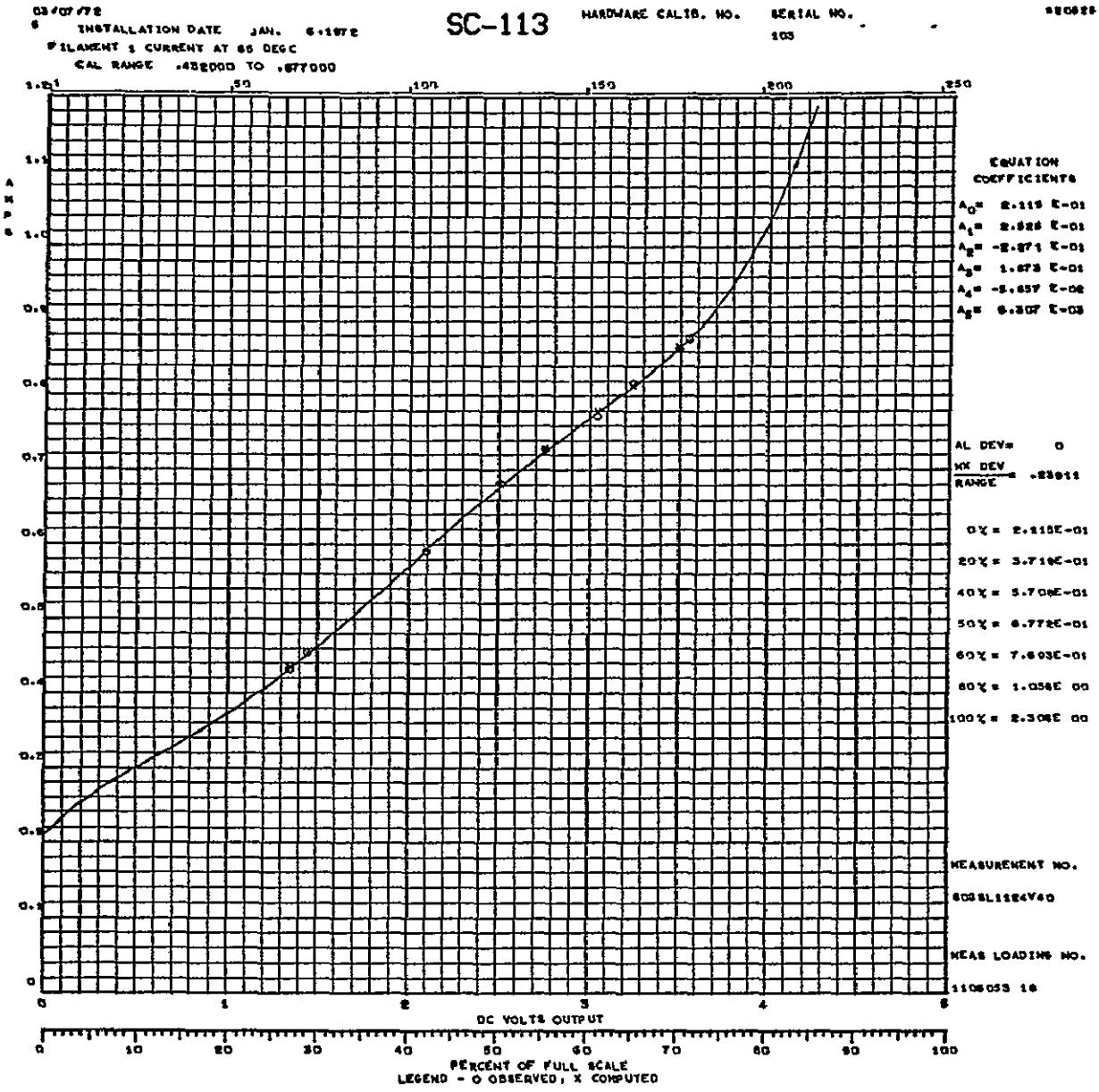

SC-113
HARDWARE CALIB. NO.
SERIAL NO.
105
INSTALLATION DATE JAN. 6 1972
FILAMENT & CURRENT AT 25 DEGC
CAL RANGE .864000 TO .888000
AMPS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND = O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
A0= 1.658 E-01
A1= 6.502 E-02
A2= 1.488 E-01
A3= -5.813 E-02
A4= 6.814 E-03
AL DEV= 0
MX DEV RANGE= .25788
0%= 1.855E-01
20%= 3.516E-01
40%= 5.785E-01
50%= 6.744E-01
60%= 7.631E-01
80%= 9.716E-01
100%= 1.419E 00
MEASUREMENT NO.
9059L1124V30
HEAD LOADING NO
1108053 16

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 1 CURRENT AT 25 DEGC

MEASUREMENT NO. 0055L1124V30
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0.185	37	0 291	73	0.453	109	0 609	145	0 742	181	0.875	217	1 074
2	0.187	38	0 295	74	0.457	110	0 615	146	0 745	182	0 880	218	1 002
3	0.188	39	0 300	75	0.462	111	0 617	147	0.749	183	0 884	219	1.089
4	0.190	40	0 304	76	0.467	112	0 621	148	0 753	184	0 888	220	1.097
5	0.192	41	0.308	77	0.471	113	0 625	149	0 756	185	0 893	221	1.105
6	0.194	42	0.312	78	0.476	114	0 629	150	0.760	186	0 897	222	1.113
7	0.195	43	0.317	79	0.480	115	0.633	151	0.763	187	0 901	223	1.121
8	0.196	44	0.321	80	0.485	116	0 637	152	0.767	188	0 905	224	1.129
9	0.200	45	0.325	81	0.490	117	0 641	153	0.770	189	0 911	225	1.137
10	0 202	46	0.330	82	0.494	118	0.644	154	0.774	190	0 915	226	1.146
11	0 204	47	0.334	83	0.498	119	0 648	155	0.777	191	0 920	227	1.155
12	0.207	48	0 338	84	0.503	120	0.652	156	0 781	192	0.925	228	1.163
13	0.209	49	0.343	85	0.507	121	0 656	157	0.784	193	0.930	229	1.173
14	0.212	50	0.347	86	0.512	122	0.660	158	0.789	194	0.935	230	1.182
15	0.214	51	0.352	87	0.516	123	0.663	159	0.791	195	0 940	231	1.191
16	0.217	52	0.356	88	0.521	124	0.667	160	0.795	196	0.945	232	1.201
17	0.220	53	0 361	89	0.525	125	0.671	161	0.798	197	0 950	233	1.210
18	0.223	54	0.365	90	0.529	126	0 674	162	0.802	198	0.955	234	1.220
19	0.226	55	0.370	91	0.534	127	0 678	163	0.805	199	0.961	235	1.230
20	0.229	56	0.374	92	0.538	128	0 682	164	0 809	200	0.956	236	1.241
21	0.232	57	0.379	93	0.542	129	0 685	165	0.813	201	0.972	237	1 251
22	0.236	58	0.384	94	0.547	130	0.689	166	0 817	202	0.977	238	1.262
23	0.239	59	0 388	95	0.551	131	0 693	167	0.820	203	0 983	239	1.272
24	0.242	60	0 393	96	0.555	132	0.696	168	0.824	204	0 989	240	1 284
25	0.246	61	0.397	97	0.560	133	0 700	169	0.828	205	0 995	241	1 295
26	0.249	62	0 402	98	0.564	134	0 703	170	0.831	206	1.001	242	1 305
27	0.253	63	0 407	99	0.568	135	0.707	171	0.835	207	1 007	243	1.316
28	0.256	64	0 411	100	0.572	136	0.711	172	0.839	208	1.013	244	1.330
29	0.260	65	0 416	101	0.576	137	0 714	173	0 843	209	1 019	245	1.342
30	0.264	66	0 421	102	0.581	138	0.718	174	0.847	210	1 026	246	1.354
31	0.268	67	0.425	103	0.585	139	0.721	175	0.851	211	1.032	247	1.367
32	0.272	68	0.430	104	0.589	140	0.725	176	0 855	212	1.039	248	1.379
33	0.275	69	0.434	105	0.593	141	0.728	177	0.859	213	1.046	249	1.392
34	0.279	70	0.439	106	0.597	142	0.732	178	0 863	214	1.053	250	1.405
35	0.283	71	0.444	107	0.601	143	0.735	179	0 867	215	1.060	251	1.419
36	0.287	72	0.448	108	0.605	144	0 739	180	0 871	216	1.067		

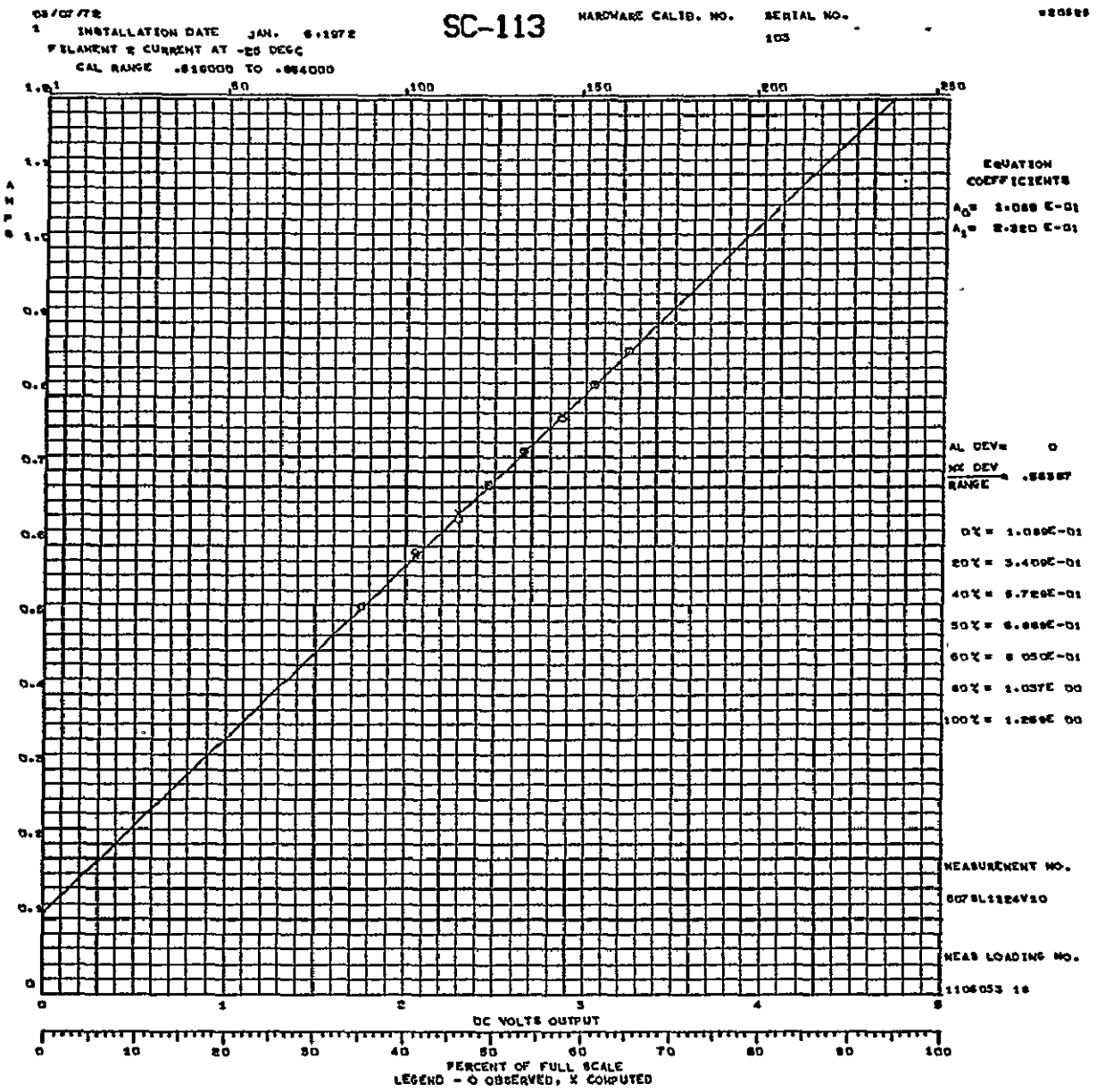

SC-113
INSTALLATION DATE JAN. 6.1972
FILAMENT 1 CURRENT AT 65 DEGC
CAL RANGE .432000 TO .877000
HARDWARE CALIB. NO.
SERIAL NO.
103
AMPS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
AL DEV= 0
0% = 2.115E-01
20% = 3.719E-01
40% = 5.708E-01
50% = 6.772E-01
60% = 7.803E-01
80% = 1.058E 00
100% = 2.308E 00
MEASUREMENT NO.
MEAS LOADING NO.

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 1 CURRENT AT 65 DEGC

MEASUREMENT NO 8005L1124V40
VEHICLE SC-113-EP
TRANSDUCER SERIAL NO 105
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COEFFICIENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0.212	37	0 331	73	0.451	109	0 605	145	0 748	181	0 890	217	1.251
2	0 217	38	0 334	74	0 455	110	0 610	146	0 752	182	0 895	218	1.038
3	0.221	39	0 337	75	0.459	111	0 615	147	0 755	183	0 901	219	1 267
4	0 225	40	0 339	76	0.463	112	0 619	148	0 759	184	0 908	220	1 305
5	0.230	41	0 342	77	0.467	113	0 623	149	0 762	185	0 912	221	1.325
6	0 235	42	0.345	78	0.471	114	0 628	150	0 706	186	0 918	222	1.345
7	0.239	43	0.348	79	0.475	115	0 632	151	0 769	187	0 924	223	1 355
8	0.243	44	0 351	80	0.479	116	0 635	152	0 773	188	0 931	224	1.366
9	0.247	45	0 354	81	0.483	117	0 640	153	0.776	189	0 937	225	1.410
10	0.251	46	0.357	82	0.483	118	0 645	154	0.780	190	0.944	225	1.435
11	0.254	47	0.360	83	0.492	119	0 649	155	0.703	191	0.951	227	1 456
12	0 258	48	0.363	84	0.495	120	0.653	156	0 787	192	0 958	228	1.481
13	0.261	49	0.356	85	0.500	121	0.657	157	0.790	193	0 936	229	1 505
14	0.265	50	0.359	86	0.505	122	0.661	158	0 794	194	0 974	230	1 532
15	0.258	51	0.372	87	0.509	123	0 665	159	0 797	195	0 982	231	1 559
16	0.271	52	0 375	88	0.513	124	0.669	160	0.001	196	0 990	232	1.587
17	0.275	53	0 378	89	0.518	125	0 673	161	0 005	197	0 999	233	1.615
18	0 278	54	0.382	90	0.522	126	0 677	162	0.808	198	1.008	234	1.645
19	0.281	55	0.385	91	0.527	127	0 681	163	0 812	199	1.017	235	1 675
20	0.284	56	0.388	92	0.531	128	0 685	164	0.816	200	1.026	236	1 707
21	0.287	57	0.391	93	0.535	129	0 689	165	0 819	201	1.036	237	1.739
22	0.290	58	0.395	94	0.540	130	0.693	166	0 823	202	1.046	238	1.772
23	0.293	59	0.399	95	0.544	131	0 697	167	0.827	203	1.057	239	1.807
24	0.295	60	0.402	96	0.549	132	0.701	168	0.831	204	1.068	240	1.842
25	0.298	61	0.405	97	0.553	133	0 704	169	0 835	205	1.079	241	1.878
26	0.301	62	0.409	98	0.558	134	0 708	170	0.839	206	1.091	242	1.916
27	0.304	63	0.412	99	0.562	135	0.712	171	0.843	207	1.103	243	1.954
28	0.305	64	0.416	100	0.566	136	0 716	172	0.847	208	1.116	244	1.994
29	0 309	65	0.420	101	0.571	137	0.719	173	0.852	209	1.129	245	2.035
30	0.312	66	0.424	102	0.575	138	0.723	174	0.856	210	1.142	246	2.077
31	0.315	67	0.427	103	0.580	139	0 727	175	0.860	211	1.156	247	2.120
32	0 317	68	0.431	104	0.584	140	0 730	176	0.865	212	1 171	248	2.164
33	0.320	69	0 435	105	0.589	141	0.734	177	0.870	213	1.186	249	2 210
34	0.323	70	0 439	106	0.593	142	0.738	178	0 874	214	1 201	250	2.257
35	0.325	71	0.443	107	0.597	143	0 741	179	0.879	215	1 217	251	2.305
36	0.328	72	0.447	108	0.602	144	0.745	180	0.884	216	1.234		



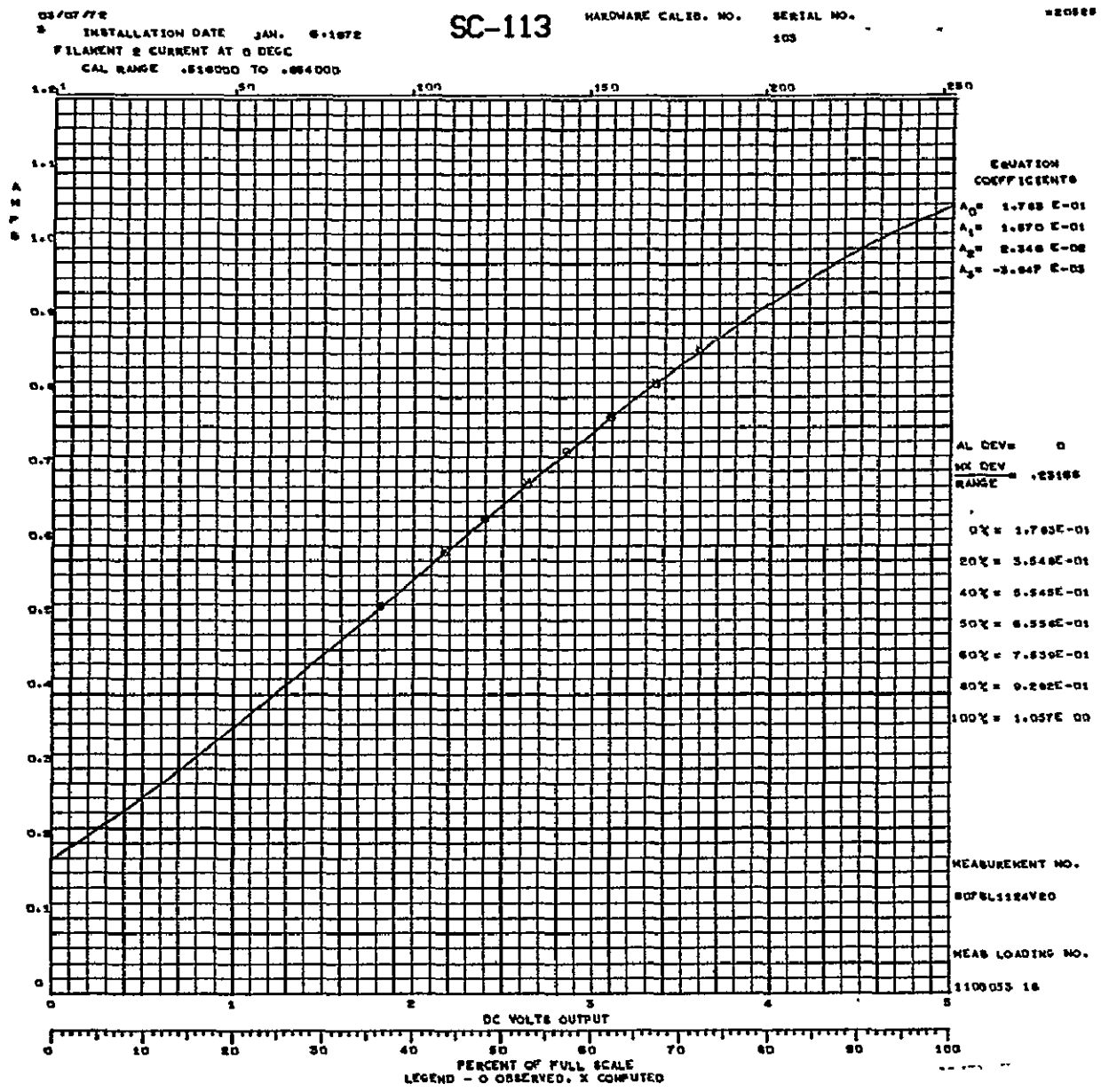
8 131 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 2 CURRENT AT -25 DEGC

MEASUREMENT NO. EGSE1124V10
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0.100	37	0.276	73	0.443	109	0.610	145	0.777	181	0.944	217	1.111
2	0.114	38	0.281	74	0.448	110	0.615	146	0.782	182	0.949	218	1.116
3	0.118	39	0.285	75	0.452	111	0.619	147	0.786	183	0.953	219	1.120
4	0.123	40	0.290	76	0.457	112	0.624	148	0.791	184	0.958	220	1.125
5	0.127	41	0.295	77	0.462	113	0.629	149	0.795	185	0.963	221	1.130
6	0.132	42	0.299	78	0.466	114	0.633	150	0.800	186	0.967	222	1.134
7	0.137	43	0.304	79	0.471	115	0.638	151	0.805	187	0.972	223	1.139
8	0.141	44	0.309	80	0.475	116	0.643	152	0.810	188	0.977	224	1.144
9	0.146	45	0.313	81	0.480	117	0.647	153	0.814	189	0.981	225	1.148
10	0.151	46	0.318	82	0.485	118	0.652	154	0.819	190	0.986	226	1.153
11	0.155	47	0.322	83	0.489	119	0.656	155	0.824	191	0.991	227	1.158
12	0.160	48	0.327	84	0.494	120	0.661	156	0.828	192	0.995	228	1.162
13	0.165	49	0.332	85	0.499	121	0.666	157	0.833	193	1.000	229	1.167
14	0.169	50	0.336	86	0.503	122	0.670	158	0.837	194	1.004	230	1.172
15	0.174	51	0.341	87	0.508	123	0.675	159	0.842	195	1.009	231	1.176
16	0.179	52	0.346	88	0.513	124	0.680	160	0.847	196	1.014	232	1.181
17	0.183	53	0.350	89	0.517	125	0.684	161	0.851	197	1.018	233	1.185
18	0.188	54	0.355	90	0.522	126	0.689	162	0.856	198	1.023	234	1.190
19	0.192	55	0.359	91	0.527	127	0.694	163	0.861	199	1.028	235	1.195
20	0.197	56	0.364	92	0.531	128	0.698	164	0.865	200	1.032	236	1.199
21	0.202	57	0.369	93	0.536	129	0.703	165	0.870	201	1.037	237	1.204
22	0.206	58	0.373	94	0.540	130	0.708	166	0.875	202	1.042	238	1.209
23	0.211	59	0.378	95	0.545	131	0.712	167	0.879	203	1.046	239	1.213
24	0.216	60	0.383	96	0.550	132	0.717	168	0.884	204	1.051	240	1.218
25	0.220	61	0.387	97	0.554	133	0.721	169	0.888	205	1.056	241	1.223
26	0.225	62	0.392	98	0.559	134	0.726	170	0.893	206	1.060	242	1.227
27	0.230	63	0.397	99	0.564	135	0.731	171	0.898	207	1.065	243	1.232
28	0.234	64	0.401	100	0.568	136	0.735	172	0.902	208	1.069	244	1.236
29	0.239	65	0.406	101	0.573	137	0.740	173	0.907	209	1.074	245	1.241
30	0.243	66	0.411	102	0.578	138	0.745	174	0.912	210	1.079	246	1.246
31	0.248	67	0.415	103	0.582	139	0.749	175	0.916	211	1.083	247	1.250
32	0.253	68	0.420	104	0.587	140	0.754	176	0.921	212	1.088	248	1.255
33	0.257	69	0.424	105	0.591	141	0.759	177	0.926	213	1.093	249	1.260
34	0.262	70	0.429	106	0.596	142	0.763	178	0.930	214	1.097	250	1.264
35	0.267	71	0.434	107	0.601	143	0.768	179	0.935	215	1.102	251	1.269
36	0.271	72	0.438	108	0.605	144	0.772	180	0.940	216	1.107		



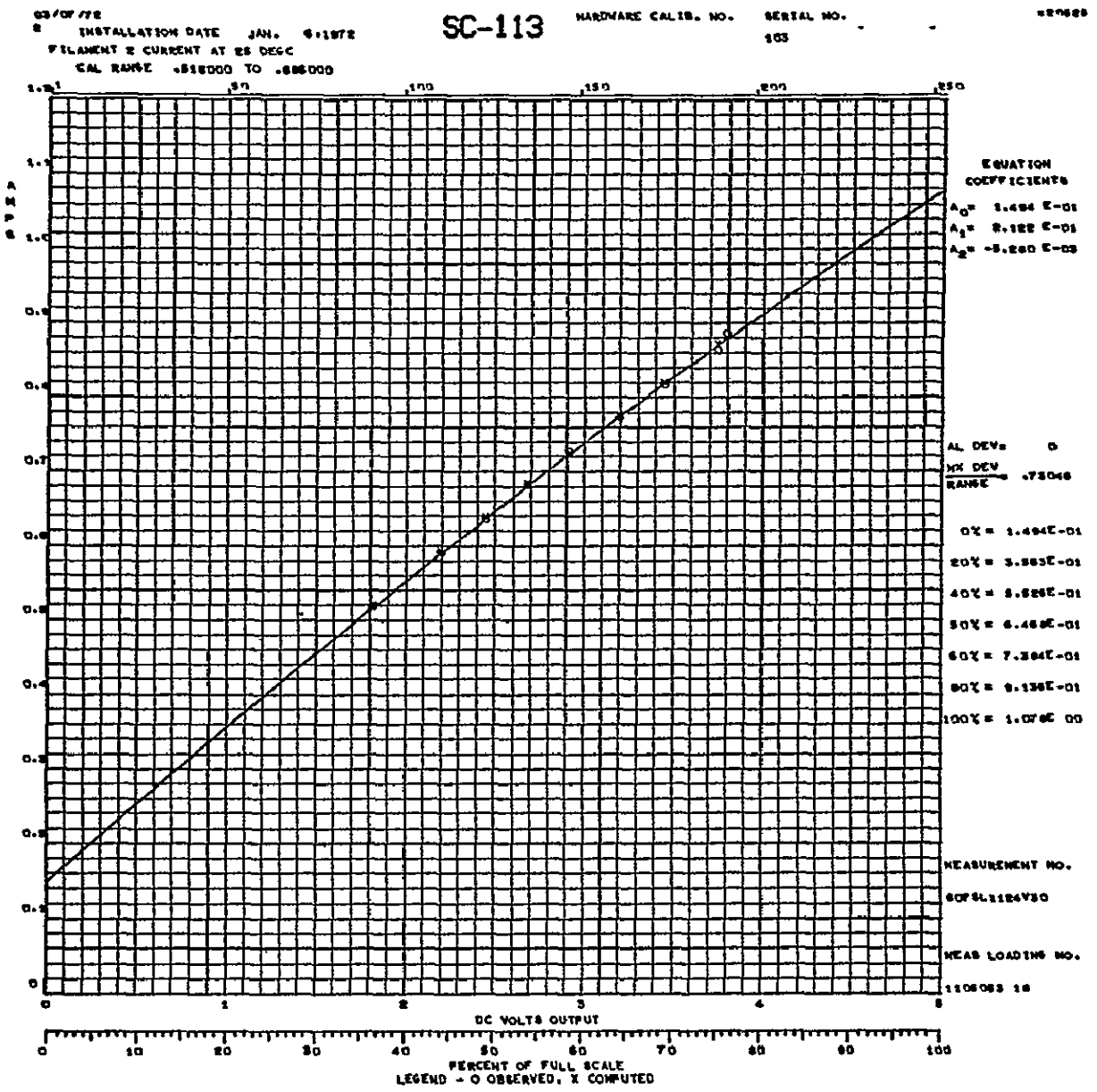
0 133 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 2 CURRENT AT 0 DEGC

MEASUREMENT ID. 80FSL1124V20
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0.178	37	0.302	73	0.441	109	0.567	145	0.731	181	0.653	217	0.976
2	0.181	38	0.305	74	0.445	110	0.591	146	0.735	182	0.657	218	0.979
3	0.185	39	0.309	75	0.449	111	0.595	147	0.739	183	0.870	219	0.982
4	0.188	40	0.313	76	0.453	112	0.599	148	0.742	184	0.874	220	0.985
5	0.191	41	0.317	77	0.457	113	0.603	149	0.745	185	0.877	221	0.987
6	0.194	42	0.321	78	0.461	114	0.607	150	0.750	185	0.881	222	0.990
7	0.197	43	0.324	79	0.465	115	0.611	151	0.754	187	0.884	223	0.993
8	0.201	44	0.328	80	0.469	116	0.615	152	0.758	108	0.887	224	0.995
9	0.204	45	0.332	81	0.473	117	0.620	153	0.762	189	0.891	225	0.998
10	0.207	46	0.336	82	0.477	118	0.624	154	0.765	190	0.894	226	1.000
11	0.211	47	0.339	85	0.481	119	0.628	155	0.769	191	0.897	227	1.005
12	0.214	48	0.343	84	0.485	120	0.632	156	0.773	192	0.900	228	1.003
13	0.217	49	0.347	85	0.490	121	0.635	157	0.777	193	0.904	229	1.008
14	0.221	50	0.351	86	0.494	122	0.640	158	0.780	194	0.907	230	1.011
15	0.224	51	0.355	87	0.498	123	0.644	159	0.784	195	0.910	231	1.013
16	0.227	52	0.359	88	0.502	124	0.648	160	0.788	196	0.913	232	1.015
17	0.231	53	0.362	89	0.506	125	0.652	161	0.792	197	0.917	233	1.018
18	0.234	54	0.366	90	0.510	126	0.656	162	0.795	198	0.920	234	1.020
19	0.238	55	0.370	91	0.514	127	0.660	163	0.799	199	0.923	235	1.023
20	0.241	56	0.374	92	0.518	128	0.664	164	0.803	200	0.926	236	1.025
21	0.245	57	0.378	93	0.522	129	0.668	165	0.805	201	0.929	237	1.027
22	0.248	58	0.382	94	0.526	130	0.672	166	0.810	202	0.932	238	1.029
23	0.252	59	0.386	95	0.530	131	0.676	167	0.814	203	0.935	239	1.032
24	0.255	60	0.390	96	0.534	132	0.680	168	0.817	204	0.938	240	1.034
25	0.259	61	0.394	97	0.538	133	0.684	169	0.821	205	0.941	241	1.035
26	0.262	62	0.398	98	0.542	134	0.688	170	0.825	206	0.945	242	1.038
27	0.266	63	0.401	99	0.546	135	0.692	171	0.828	207	0.948	243	1.041
28	0.269	64	0.405	100	0.550	136	0.696	172	0.832	208	0.950	244	1.043
29	0.273	65	0.409	101	0.555	137	0.699	173	0.836	209	0.953	245	1.045
30	0.276	66	0.413	102	0.559	138	0.703	174	0.839	210	0.956	246	1.047
31	0.280	67	0.417	103	0.563	139	0.707	175	0.843	211	0.959	247	1.049
32	0.284	68	0.421	104	0.567	140	0.711	176	0.845	212	0.962	248	1.051
33	0.287	69	0.425	105	0.571	141	0.715	177	0.850	213	0.965	249	1.053
34	0.291	70	0.429	106	0.575	142	0.719	178	0.853	214	0.968	250	1.055
35	0.295	71	0.433	107	0.579	143	0.723	179	0.857	215	0.971	251	1.057
36	0.298	72	0.437	108	0.583	144	0.727	180	0.860	216	0.974		

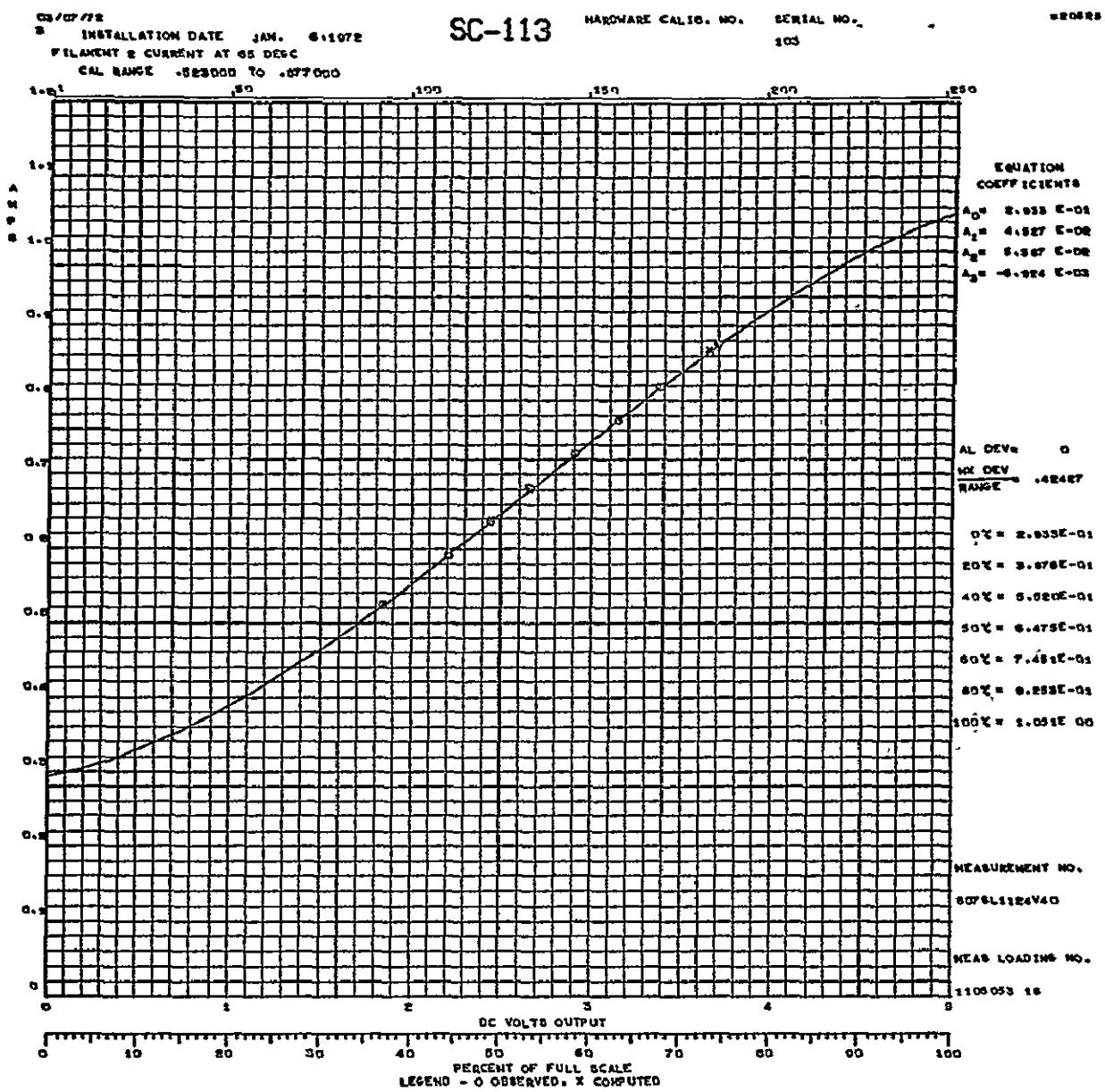

SC-113
INSTALLATION DATE JAN. 6 1972
FILAMENT 2 CURRENT AT 25 DEGC
CAL RANGE .815000 TO .885000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
A_0= 1.494 E-01
A_1= 8.122 E-01
A_2= -5.280 E-03
AL DEV= 0
XX DEV / RANGE = .73048
0% = 1.494E-01
20% = 3.583E-01
40% = 5.626E-01
60% = 7.384E-01
80% = 9.136E-01
100% = 1.078E 00
MEASUREMENT NO.
MEAS LOADING NO.
1105083 16
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 2 CURRENT AT 25 DEGC

MEASUREMENT NO. 80T5L1124V30
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0.149	37	0.299	73	0.444	109	0.583	145	0.717	181	0.845	217	0.967
2	0.154	38	0 303	74	0.448	110	0.587	146	0.720	182	0.848	218	0.971
3	0.158	39	0.308	75	0.452	111	0 591	147	0.724	183	0.852	219	0.974
4	0.162	40	0.312	76	0.456	112	0 594	148	0 728	184	0.855	220	0 977
5	0.166	41	0.316	77	0.460	113	0 598	149	0 731	185	0.859	221	0.981
6	0.171	42	0 320	78	0.464	114	0.602	150	0 735	186	0.862	222	0 984
7	0.175	43	0.324	79	0.468	115	0.606	151	0.738	187	0.866	223	0 987
8	0.179	44	0.328	80	0.471	116	0 609	152	0.742	188	0.869	224	0.991
9	0.183	45	0.332	81	0.475	117	0 613	153	0 746	189	0.873	225	0 994
10	0 187	46	0.336	82	0.479	118	0 617	154	0.749	190	0 876	226	0 997
11	0.192	47	0 340	83	0.483	119	0.621	155	0 753	191	0 879	227	1.001
12	0.196	48	0.344	84	0.487	120	0.624	156	0.756	192	0.883	228	1 004
13	0.200	49	0 348	85	0.491	121	0 628	157	0 760	193	0.886	229	1.007
14	0.204	50	0 352	86	0.495	122	0 632	158	0 764	194	0.890	230	1.010
15	0.208	51	0 356	87	0.499	123	0.635	159	0 767	195	0.893	231	1.014
16	0.213	52	0.360	88	0.503	124	0.639	160	0 771	196	0.897	232	1.017
17	0.217	53	0 364	89	0.506	125	0.643	161	0.774	197	0.900	233	1.020
18	0.221	54	0.368	90	0.510	126	0 647	162	0 778	198	0.903	234	1.023
19	0.225	55	0 372	91	0.514	127	0.651	163	0.781	199	0.907	235	1.027
20	0.229	56	0.376	92	0.518	128	0.654	164	0 785	200	0.910	236	1.030
21	0.233	57	0.380	93	0.522	129	0.658	165	0.789	201	0 914	237	1.033
22	0.238	58	0.384	94	0.525	130	0.662	166	0.792	202	0 917	238	1.036
23	0.242	59	0.388	95	0.530	131	0.665	167	0.796	203	0.920	239	1.040
24	0.246	60	0.392	96	0.533	132	0.669	168	0.799	204	0.924	240	1.043
25	0.250	61	0 396	97	0.537	133	0 673	169	0.803	205	0.927	241	1.046
26	0.254	62	0.400	98	0.541	134	0 676	170	0.806	206	0.931	242	1.049
27	0.258	63	0.404	99	0.545	135	0.680	171	0.810	207	0.934	243	1.053
28	0.262	64	0.408	100	0.549	136	0 684	172	0.813	208	0.937	244	1.056
29	0.267	65	0.412	101	0.553	137	0 687	173	0.817	209	0.941	245	1.059
30	0.271	66	0.416	102	0.556	138	0.691	174	0 820	210	0.944	246	1.062
31	0.275	67	0.420	103	0.560	139	0.695	175	0.824	211	0.947	247	1.065
32	0.279	68	0.424	104	0.564	140	0.698	176	0 827	212	0.951	248	1.069
33	0.283	69	0 428	105	0.568	141	0.702	177	0.831	213	0.954	249	1.072
34	0.287	70	0 432	106	0.572	142	0 706	178	0.834	214	0.957	250	1.075
35	0.291	71	0 436	107	0.575	143	0.709	179	0 838	215	0.961	251	1.078
36	0.295	72	0.440	108	0.579	144	0 713	180	0 841	216	0 964		


SC-113
INSTALLATION DATE JAN. 6,1972
FILAMENT 2 CURRENT AT 65 DEGC
CAL RANGE .823000 TO .877000
HARDWARE CALIB. NO.
SERIAL NO. 103
EQUATION COEFFICIENTS
AL DEV= 0
0°C = 2.933E-01
20°C = 3.878E-01
40°C = 5.020E-01
60°C = 6.475E-01
80°C = 8.253E-01
100°C = 1.051E 00
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

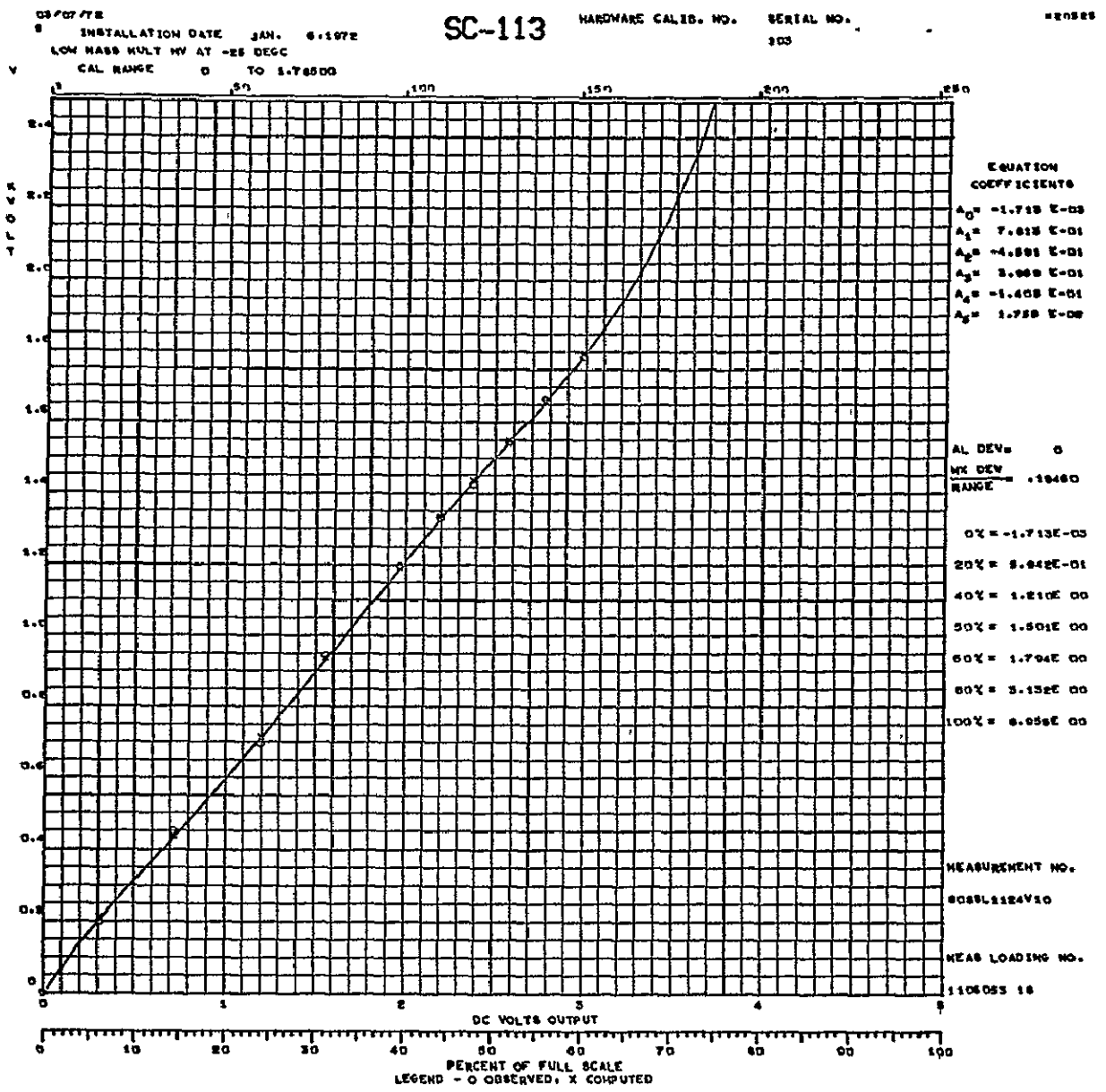
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

FILAMENT 2 CURRENT AT 65 DEGC

MEASUREMENT NO 00FEL1124V40
VEHICLE SC-113-CSM
TRANSDUCER SERIAL NO 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 01/06/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	0 293	37	0 352	73	0.454	109	0 562	145	0 722	181	0 857	217	0 973
2	0 294	38	0 355	74	0 457	110	0 565	146	0 726	182	0 861	218	0 976
3	0.295	39	0 357	75	0.459	111	0.569	147	0 730	183	0 865	219	0.979
4	0.295	40	0 359	76	0.464	112	0.573	148	0 733	184	0 868	220	0 982
5	0.297	41	0 362	77	0.467	113	0 577	149	0 737	185	0.872	221	0.984
6	0.298	42	0 364	78	0.470	114	0.601	150	0.741	186	0 875	222	0 987
7	0.300	43	0.367	79	0.474	115	0 605	151	0 745	187	0 879	223	0 990
8	0.301	44	0 369	80	0.477	116	0 609	152	0 749	188	0 882	224	0 992
9	0.302	45	0.372	81	0.480	117	0.613	153	0 753	189	0.886	225	0 995
10	0 303	46	0.374	82	0.484	118	0 615	154	0 757	190	0 889	226	0.998
11	0.305	47	0 377	83	0.487	119	0.620	155	0 761	191	0 892	227	1.000
12	0.306	48	0.380	84	0.491	120	0 624	156	0.764	192	0.896	228	1.003
13	0.307	49	0.382	85	0.494	121	0.628	157	0.768	193	0.899	229	1.006
14	0.309	50	0.385	86	0.498	122	0 632	158	0 772	194	0.902	230	1.008
15	0 310	51	0.388	87	0.501	123	0.636	159	0 776	195	0 906	231	1.010
16	0.312	52	0.390	88	0.505	124	0.640	160	0 780	196	0.909	232	1.012
17	0.313	53	0 393	89	0.508	125	0.644	161	0 783	197	0.912	233	1.015
18	0.315	54	0.395	90	0.512	126	0.648	162	0 787	198	0 916	234	1.017
19	0.317	55	0.399	91	0.515	127	0.651	163	0 791	199	0 919	235	1.019
20	0.318	56	0 402	92	0.519	128	0.655	164	0 795	200	0 922	236	1.022
21	0.320	57	0 404	93	0.523	129	0 659	165	0.799	201	0.925	237	1.024
22	0.322	58	0.407	94	0.525	130	0.663	166	0.802	202	0.928	238	1.026
23	0.323	59	0.410	95	0.530	131	0.667	167	0 805	203	0 932	239	1.028
24	0 325	60	0.413	96	0.534	132	0.671	168	0 810	204	0.935	240	1 030
25	0.327	61	0.416	97	0.537	133	0.675	169	0 814	205	0.938	241	1 032
26	0 329	62	0.419	98	0.541	134	0.679	170	0.817	206	0.941	242	1.034
27	0.331	63	0 422	99	0.545	135	0 683	171	0.821	207	0.944	243	1 036
28	0.333	64	0.425	100	0.548	136	0.687	172	0 825	208	0.947	244	1 038
29	0.335	65	0 428	101	0.552	137	0 691	173	0.828	209	0 950	245	1.040
30	0 337	66	0 431	102	0.556	138	0 694	174	0.832	210	0 953	246	1.042
31	0.339	67	0 435	103	0.559	139	0 698	175	0.836	211	0 956	247	1.044
32	0.341	68	0 438	104	0.563	140	0.702	176	0 839	212	0.959	248	1.045
33	0 343	69	0.441	105	0.567	141	0.705	177	0 843	213	0 952	249	1.048
34	0 346	70	0 444	106	0.571	142	0.710	178	0 847	214	0 965	250	1.049
35	0 348	71	0 447	107	0.574	143	0 714	179	0 850	215	0 968	251	1.051
36	0.350	72	0 450	108	0.578	144	0.718	180	0 854	216	0 971		

19-19


SC-113
INSTALLATION DATE JAN. 6 1972
LOW MASS KULT HV AT -25 DEGC
CAL RANGE 0 TO 5.78600
KV OUT
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
A0= -1.713 E-03
A1= 7.812 E-01
A2= -4.891 E-01
A3= 3.969 E-01
A4= -1.408 E-01
A5= 1.758 E-02
AL DEV= 0
MX DEV / RANGE = .19460
0% = -1.713E-03
20% = 3.942E-01
40% = 1.210E 00
50% = 1.501E 00
60% = 1.794E 00
80% = 3.152E 00
100% = 6.056E 00
MEASUREMENT NO.
8085L1124V10
MEAS LOADING NO.
1106053 16

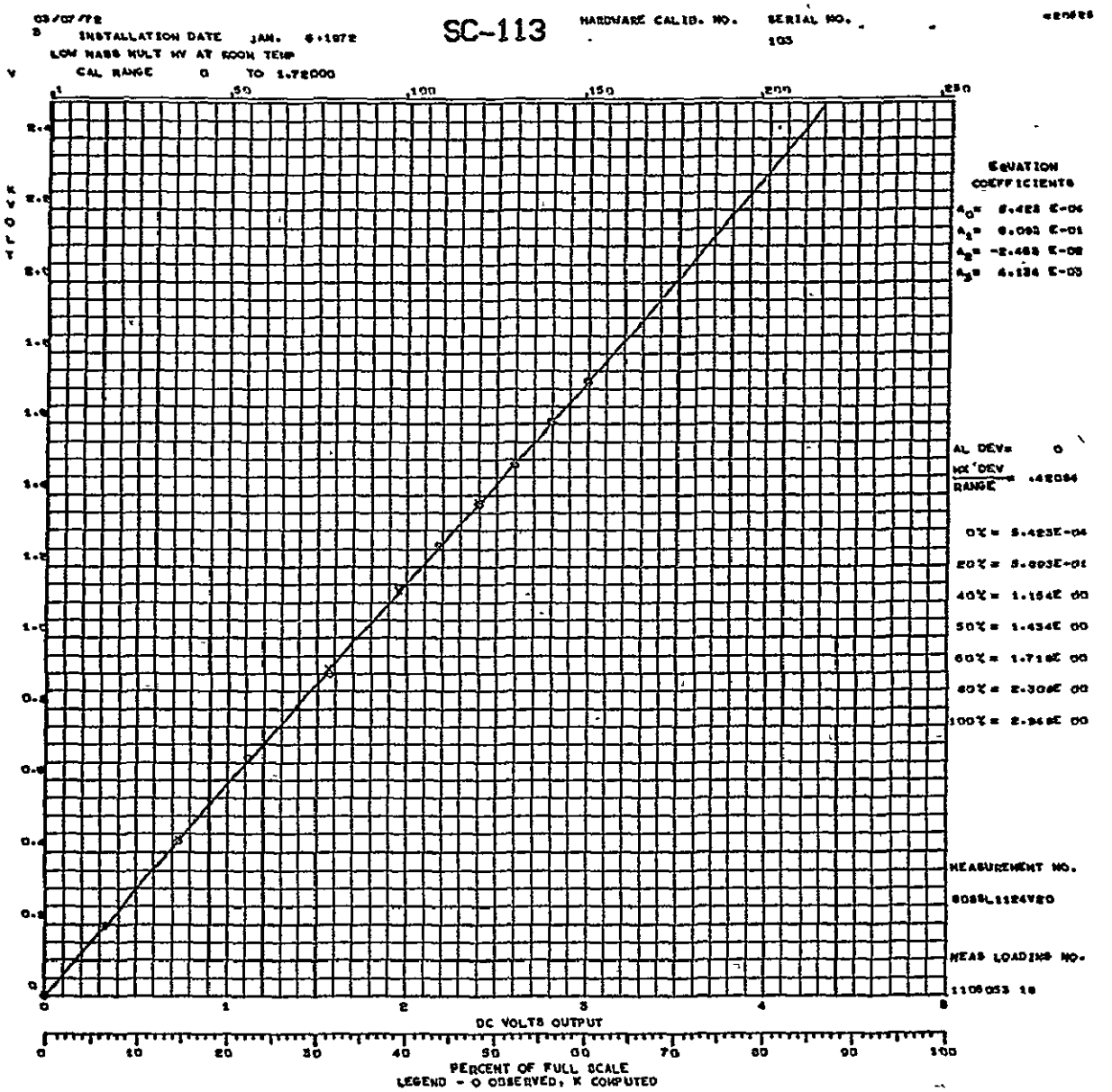
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

LOW MASS BULT HW AT -25 DEGC

MEASUREMENT NO. 6XXXL1124V10
VEHICLE SC-115-EAP
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 01/03/72

CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT
1	-0 002	37	0 457	73	0.850	109	1.305	145	1.718	181	2 356	217	4 209
2	0.014	38	0 448	74	0.873	110	1.317	146	1.730	182	2.380	218	4.294
3	0.029	39	0.450	75	0.885	111	1.329	147	1.743	183	2.415	219	4 303
4	0.044	40	0.470	76	0.900	112	1.341	148	1 755	184	2 445	220	4.474
5	0 058	41	0 481	77	0.910	113	1.353	149	1.768	185	2 476	221	4.567
6	0.072	42	0.492	78	0.923	114	1.364	150	1.781	186	2 508	222	4.664
7	0 083	43	0 505	79	0.935	115	1.376	151	1 794	187	2 541	223	4.765
8	0.100	44	0 514	80	0.948	116	1.387	152	1.807	188	2 575	224	4.855
9	0 113	45	0 525	81	0.951	117	1.399	153	1 820	189	2.610	225	4.959
10	0 126	46	0 537	82	0.973	118	1 410	154	1.834	190	2 647	226	5.077
11	0.139	47	0 548	83	0.985	119	1.422	155	1.848	191	2.684	227	5.188
12	0 152	48	0 560	84	0.998	120	1.433	156	1 862	192	2 723	228	5.302
13	0 164	49	0.571	85	1.011	121	1.444	157	1 876	193	2.763	229	5.419
14	0.177	50	0 583	86	1.023	122	1.456	158	1 891	194	2.804	230	5.540
15	0.189	51	0 594	87	1.035	123	1 467	159	1.905	195	2 847	231	5.664
16	0.201	52	0.605	88	1.049	124	1 478	160	1 922	196	2.891	232	5.791
17	0.213	53	0.617	89	1.061	125	1 490	161	1 937	197	2.936	233	5.921
18	0 225	54	0.629	90	1.074	126	1 501	162	1.953	198	2 983	234	6.055
19	0.236	55	0.641	91	1.085	127	1 512	163	1.970	199	3.031	235	6.193
20	0.248	56	0.653	92	1.099	128	1 523	164	1.987	200	3.081	236	6.335
21	0.259	57	0.665	93	1.111	129	1.534	165	2 004	201	3.132	237	6.480
22	0 271	58	0.676	94	1.124	130	1.546	166	2 022	202	3.185	238	6.629
23	0.282	59	0.688	95	1.135	131	1 557	167	2 040	203	3.240	239	6.782
24	0.293	60	0.700	96	1.148	132	1.568	168	2.059	204	3.295	240	6.939
25	0.304	61	0 712	97	1.161	133	1.579	169	2 078	205	3.354	241	7.100
26	0.316	62	0.725	98	1.173	134	1 591	170	2.098	206	3.414	242	7.266
27	0.327	63	0 737	99	1.185	135	1 602	171	2.118	207	3.476	243	7.435
28	0.338	.64	0 749	100	1.197	136	1.613	172	2.139	208	3.540	244	7.609
29	0.349	65	0 761	101	1.210	137	1.625	173	2 161	209	3.605	245	7.787
30	0.360	66	0 773	102	1 222	138	1 636	174	2 183	210	3.673	246	7.970
31	0.371	67	0 785	103	1 234	139	1 647	175	2 205	211	3.743	247	8 158
32	0.382	68	0 798	104	1 245	140	1 659	176	2 229	212	3.815	248	8 350
33	0.393	69	0 810	105	1 258	141	1.671	177	2 253	213	3.889	249	8 547
34	0.404	70	0 823	106	1 270	142	1 682	178	2 278	214	3.965	250	8 749
35	0.415	71	0 835	107	1 282	143	1 694	179	2.304	215	4 044	251	8 956
36	0.426	72	0 848	108	1.294	144	1 706	180	2 330	216	4.125		

8 140 Change 2

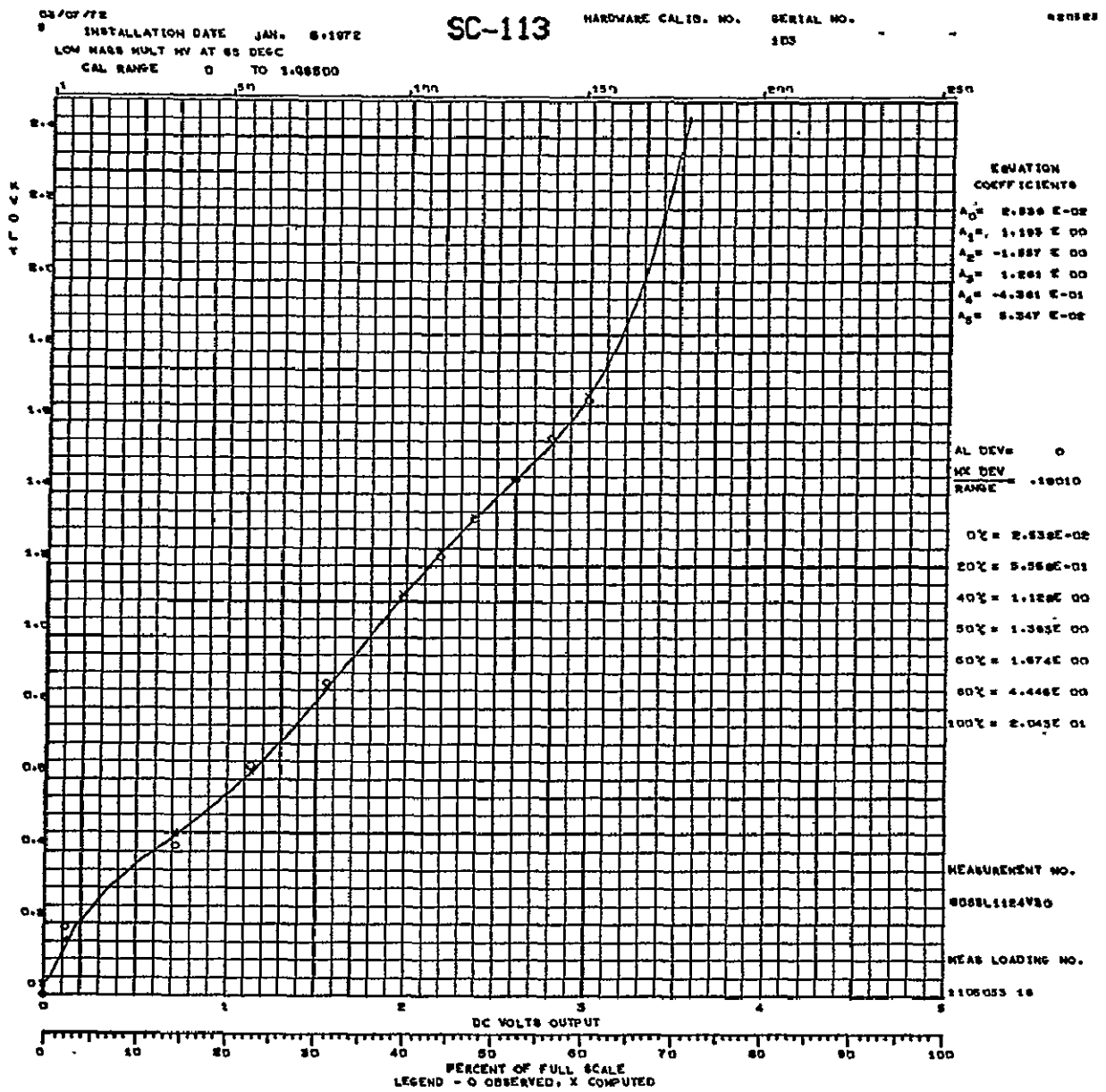

03/07/72
INSTALLATION DATE JAN. 6 1972
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
103
LOW MASS MULT HV AT ROOM TEMP
CAL RANGE 0 TO 1.72000
VOLTS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, K COMPUTED
EQUATION COEFFICIENTS
A_0= 8.423 E-04
A_1= 8.003 E-01
A_2= -2.483 E-02
A_3= 4.134 E-03
AL DEV= 0
RANGE = .48084
0% = 8.423E-04
20% = 8.003E-01
40% = 1.154E 00
50% = 1.434E 00
60% = 1.718E 00
80% = 2.306E 00
100% = 2.948E 00
MEASUREMENT NO.
8088L1124VEO
MEAS LOADING NO.
1106053 18

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

LOW MASS MULT HV AT ROOM TEMP

MEASUREMENT NO. 6025L11S V20
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT
1	0.001	37	0.428	73	0 839	109	1.243	145	1.650	181	2.058	217	2 505
2	0.013	38	0.440	74	0.850	110	1.255	146	1 661	182	2 070	218	2 519
3	0.025	39	0 451	75	0.862	111	1.266	147	1.673	183	2.081	219	2 531
4	0.037	40	0.463	76	0.873	112	1.277	148	1.684	184	2 103	220	2 544
5	0.049	41	0.474	77	0.884	113	1.288	149	1.695	185	2.115	221	2 557
6	0 061	42	0 486	78	0.896	114	1.299	150	1.707	186	2 127	222	2.569
7	0.073	43	0.497	79	0.907	115	1.311	151	1.718	187	2 139	223	2.582
8	0.085	44	0 509	80	0.918	115	1.322	152	1.730	188	2.151	224	2 595
9	0.097	45	0.520	81	0.929	117	1.333	153	1.741	189	2.163	225	2 608
10	0.109	46	0 532	82	0.941	118	1.344	154	1.753	190	2.175	226	2 620
11	0.121	47	0 543	83	0.952	119	1.355	155	1.764	191	2.187	227	2.633
12	0.133	48	0.555	84	0.963	120	1.367	156	1.776	192	2.199	228	2 646
13	0.145	49	0 566	85	0.974	121	1.378	157	1.787	193	2 211	229	2.659
14	0.157	50	0 578	86	0.986	122	1.389	158	1.799	194	2 223	230	2.672
15	0 169	51	0 589	87	0.997	123	1.401	159	1.810	195	2.235	231	2 684
16	0.181	52	0.601	88	1.008	124	1.412	160	1 822	196	2 247	232	2 697
17	0.193	53	0 612	89	1.019	125	1.423	161	1.834	197	2 259	233	2 710
18	0.205	54	0.624	90	1.030	126	1.434	162	1.845	198	2 272	234	2 723
19	0.217	55	0.635	91	1.042	127	1.446	163	1.857	199	2 284	235	2 736
20	0.229	56	0.646	92	1.053	128	1.457	164	1 868	200	2 295	236	2.749
21	0.241	57	0.658	93	1.064	129	1.468	165	1.880	201	2 308	237	2.762
22	0.252	58	0.669	94	1 075	130	1.480	166	1.892	202	2.320	238	2.775
23	0.264	59	0.681	95	1 085	131	1.491	167	1.903	203	2 333	239	2.789
24	0.276	60	0.692	96	1.098	132	1.502	168	1.915	204	2 345	240	2.802
25	0.288	61	0.703	97	1.109	133	1.513	169	1.926	205	2.357	241	2.815
26	0.300	62	0 715	98	1.120	134	1.525	170	1.938	206	2 370	242	2.828
27	0.311	63	0.725	99	1.131	135	1.536	171	1.950	207	2 382	243	2.841
28	0.323	64	0.737	100	1.142	136	1.547	172	1.962	208	2 394	244	2.854
29	0.335	65	0.749	101	1.154	137	1.559	173	1 973	209	2.407	245	2.868
30	0.346	66	0 760	102	1.165	138	1.570	174	1.985	210	2 419	246	2.881
31	0.358	67	0.771	103	1.176	139	1.581	175	1.997	211	2 431	247	2.894
32	0.370	68	0.783	104	1.187	140	1.593	176	2 009	212	2 444	248	2.908
33	0.381	69	0 794	105	1.198	141	1.604	177	2 020	213	2.456	249	2.921
34	0.393	70	0 805	106	1.210	142	1.616	178	2 032	214	2 469	250	2.935
35	0 405	71	0 817	107	1.221	143	1.627	179	2 044	215	2 481	251	2.948
36	0 416	72	0 828	108	1.232	144	1.638	180	2 056	216	2.494		

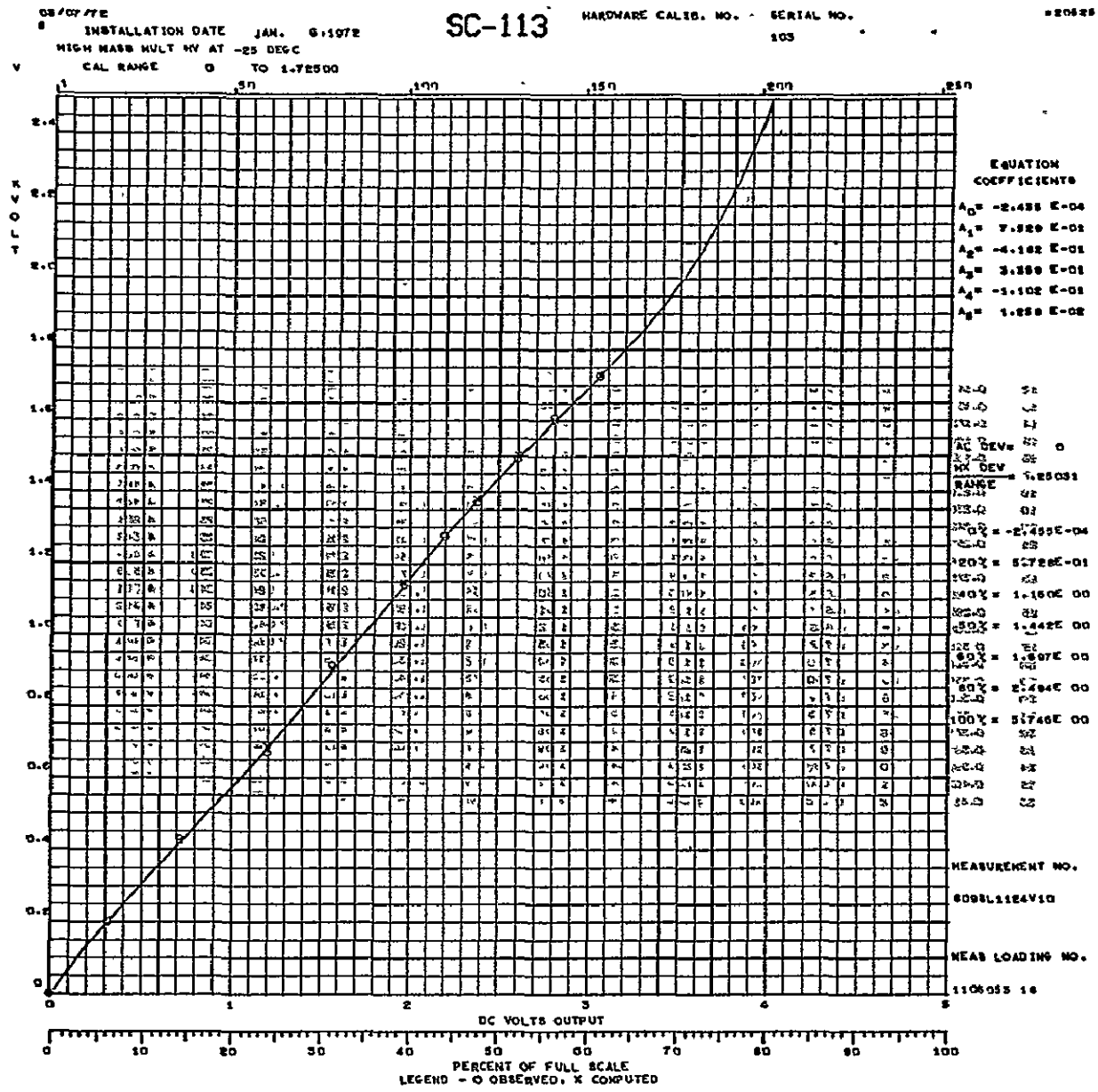

SC-113
INSTALLATION DATE JAN. 8.1972
LOW MASS MULT HV AT 65 DEGC
CAL RANGE 0 TO 1.06500
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
A_0= 2.839 E-02
A_1= 1.193 E 00
A_2= -1.887 E 00
A_3= 1.261 E 00
A_4= -4.361 E-01
A_5= 5.347 E-02
AL DEV= 0
MX DEV / RANGE = .19010
0°C = 2.838E-02
20°C = 5.368E-01
40°C = 1.128E 00
50°C = 1.383E 00
60°C = 1.674E 00
80°C = 4.446E 00
100°C = 2.043E 01
MEASUREMENT NO.
MEAS LOADING NO.
1105053 16
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

LOW MASS MALT 1N AT 65 DEGC

MEASUREMENT NO. 0SCL1124V30
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT
1	0.025	37	0 447	73	0.765	109	1.220	145	1 591	181	2.637	217	7.237
2	0.049	38	0 455	74	0.757	110	1.231	145	1 604	182	2 697	218	7 465
3	0.071	39	0 462	75	0.809	111	1.242	147	1.617	183	2.759	219	7.705
4	0.092	40	0.469	76	0.821	112	1.252	148	1 630	184	2.824	220	7.947
5	0.111	41	0 477	77	0.833	113	1.263	149	1 644	185	2.892	221	8 199
6	0.130	42	0 484	78	0.845	114	1.274	150	1 659	185	2.963	222	8 459
7	0.148	43	0 492	79	0.857	115	1 284	151	1 674	187	3.033	223	8.720
8	0.165	44	0.499	80	0.870	116	1.294	152	1 690	188	3.113	224	9 004
9	0.181	45	0 507	81	0.882	117	1.305	153	1 705	189	3.193	225	9 290
10	0.197	46	0 515	82	0.895	118	1 315	154	1.723	190	3 277	226	9.584
11	0.211	47	0.523	83	0.907	119	1.325	155	1.741	191	3.364	227	9.887
12	0.225	48	0.531	84	0.919	120	1 335	156	1 759	192	3 454	228	10 199
13	0.238	49	0 540	85	0.902	121	1.345	157	1.779	193	3.548	229	10 521
14	0.251	50	0 540	86	0.944	122	1 354	158	1 799	194	3 646	230	10.852
15	0.263	51	0.557	87	0.957	123	1 364	159	1.820	195	3 747	231	11.193
16	0.274	52	0.566	88	0.959	124	1 374	160	1.842	196	3.853	232	11.544
17	0.285	53	0.574	89	0.982	125	1.384	161	1.865	197	3 963	233	11.905
18	0 295	54	0.584	90	0.994	126	1 393	162	1.889	198	4 077	234	12.278
19	0.305	55	0.593	91	1 007	127	1 403	163	1.915	199	4.195	235	12 660
20	0.315	56	0.602	92	1.019	128	1.413	164	1.941	200	4.318	236	13.054
21	0 325	57	0.612	93	1.032	129	1.422	165	1.969	201	4 446	237	13.458
22	0.334	58	0.622	94	1 044	130	1 432	166	1.998	202	4.578	238	13.874
23	0.342	59	0 631	95	1.056	131	1 441	167	2.028	203	4.716	239	14.302
24	0.351	60	0 641	96	1 068	132	1.451	168	2 060	204	4.858	240	14.741
25	0.359	61	0.652	97	1.081	133	1 461	169	2.093	205	5.005	241	15.193
26	0.367	62	0.662	98	1.093	134	1 471	170	2.128	206	5 158	242	15.657
27	0.375	63	0.673	99	1 105	135	1.481	171	2.165	207	5 317	243	16.134
28	0.382	64	0 683	100	1.117	136	1 491	172	2.203	208	5.481	244	16.623
29	0.390	65	0 694	101	1.128	137	1 501	173	2.243	209	5 651	245	17.125
30	0.397	66	0 705	102	1.140	138	1.512	174	2.285	210	5.827	246	17.642
31	0.404	67	0 716	103	1.152	139	1 522	175	2.329	211	6.008	247	18 172
32	0.412	68	0 727	104	1.163	140	1 533	176	2.375	212	6.197	248	18.715
33	0.419	69	0.739	105	1.175	141	1 544	177	2.425	213	6.391	249	19 273
34	0.426	70	0 750	106	1.186	142	1 555	178	2.475	214	6 592	250	19 845
35	0 433	71	0.762	107	1 198	143	1.567	179	2.525	215	6.800	251	20 432
36	0.440	72	0 775	108	1.209	144	1 579	180	2.580	216	7.015		


INSTALLATION DATE JAN. 6,1972
HIGH MASS MULT HV AT -25 DEGC
CAL RANGE 0 TO 1.72500
SC-113
HARDWARE CALIB. NO. - SERIAL NO.
103
EQUATION COEFFICIENTS
A0= -2.455 E-04
A1= 7.529 E-01
A2= -4.162 E-01
A3= 3.259 E-01
A4= -1.102 E-01
A5= 1.258 E-02
MEASUREMENT NO.
6098L1124V10
MEAS LOADING NO.
1106055 16
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

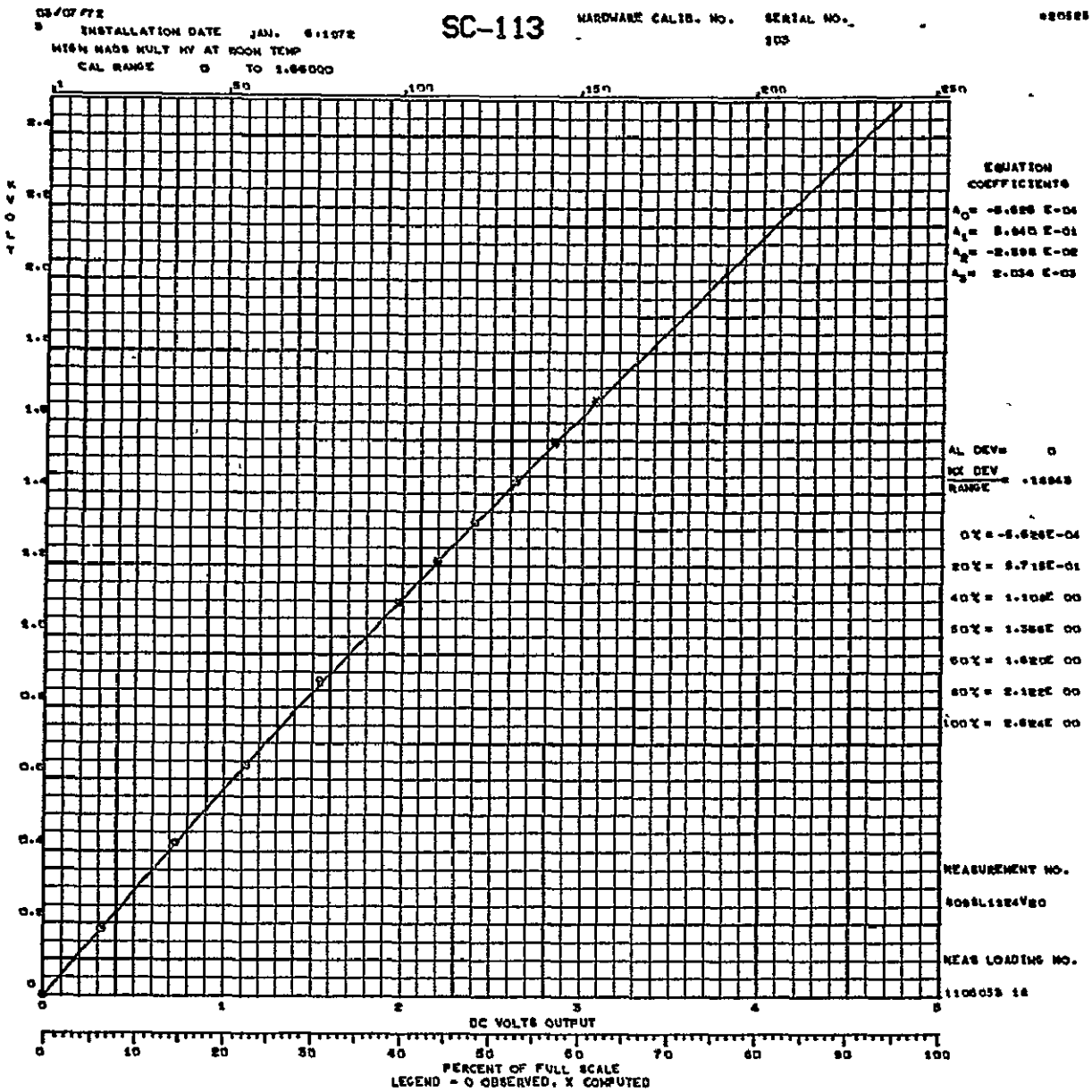
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

HIGH MASS MULT HV AT -25 DEGC

MEASUREMENT NO 8003L1124V10
VEHICLE SC-113-E-F
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT
1	-0.000	37	0 423	73	0.824	109	1 253	145	1 635	181	2.053	217	3.062
2	0.015	38	0 434	74	0.835	110	1.265	146	1 646	182	2.080	218	3 129
3	0.029	39	0.444	75	0.848	111	1.276	147	1 657	183	2.095	219	3.176
4	0.043	40	0 455	76	0.850	112	1.288	148	1 667	184	2.114	220	3 228
5	0.057	41	0 465	77	0.872	113	1 299	149	1 677	185	2.131	221	3.280
6	0.071	42	0.476	78	0.884	114	1.310	150	1.687	186	2.149	222	3.333
7	0.005	43	0.487	79	0.895	115	1 322	151	1.697	187	2.158	223	3.387
8	0.098	44	0.497	80	0.903	116	1 333	152	1 707	188	2.167	224	3.445
9	0.111	45	0.508	81	0.920	117	1.344	153	1.717	189	2.207	225	3.501
10	0.124	46	0.519	82	0.932	118	1.355	154	1.728	190	2.227	226	3.561
11	0.136	47	0.529	83	0.944	119	1.366	155	1.738	191	2.248	227	3.622
12	0.148	48	0 540	84	0.956	120	1.377	156	1 748	192	2.259	228	3.686
13	0.161	49	0.551	85	0.958	121	1.388	157	1 759	193	2.291	229	3 751
14	0.173	50	0.562	86	0.980	122	1.399	158	1.770	194	2.314	230	3.818
15	0 184	51	0.573	87	0.992	123	1.410	159	1.780	195	2.338	231	3.885
16	0.196	52	0.584	88	1.004	124	1.420	160	1.791	196	2.362	232	3 957
17	0.208	53	0.595	89	1.016	125	1.431	161	1.802	197	2.387	233	4.030
18	0.219	54	0.605	90	1.028	126	1.442	162	1.813	198	2.412	234	4.105
19	0.230	55	0.617	91	1.040	127	1.452	163	1.824	199	2 439	235	4.182
20	0.242	56	0.628	92	1.052	128	1.463	164	1.835	200	2.466	236	4.261
21	0.253	57	0.639	93	1.064	129	1.473	165	1.847	201	2.494	237	4.343
22	0.264	58	0.650	94	1.076	130	1.484	166	1.859	202	2 523	238	4.426
23	0.275	59	0.662	95	1 088	131	1.494	167	1.871	203	2.553	239	4.513
24	0.286	60	0.673	96	1.100	132	1.505	168	1.883	204	2.584	240	4.601
25	0.296	61	0.684	97	1.112	133	1 515	169	1 895	205	2 615	241	4 692
26	0.307	62	0.696	98	1.124	134	1.525	170	1.907	206	2 648	242	4.785
27	0.318	63	0.707	99	1.136	135	1.535	171	1 920	207	2.682	243	4.881
28	0.329	64	0.719	100	1.148	136	1 546	172	1.933	208	2.717	244	4.979
29	0.339	65	0 730	101	1.160	137	1.556	173	1.946	209	2.753	245	5.080
30	0.350	66	0.742	102	1.172	138	1.566	174	1.960	210	2.790	246	5.184
31	0.360	67	0.753	103	1.184	139	1.576	175	1.974	211	2.828	247	5.291
32	0.371	68	0.765	104	1.196	140	1.586	176	1.988	212	2 867	248	5.400
33	0.381	69	0.777	105	1.207	141	1.596	177	2.002	213	2.907	249	5.512
34	0.392	70	0.789	106	1.219	142	1.606	178	2.017	214	2.949	250	5 627
35	0.402	71	0.800	107	1.230	143	1.616	179	2.032	215	2.992	251	5.746
36	0.413	72	0.812	108	1 242	144	1.626	180	2.047	216	3.037		

Charge_2


SC-113
INSTALLATION DATE JAN. 6 1972
HIGH MASS MULT HV AT ROOM TEMP
CAL RANGE 0 TO 1.66000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
AL DEV= 0
NX DEV / RANGE= .16843
0% = -5.626E-04
20% = 5.718E-01
40% = 1.108E 00
50% = 1.366E 00
60% = 1.622E 00
80% = 2.122E 00
100% = 2.624E 00
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND = O OBSERVED, X COMPUTED

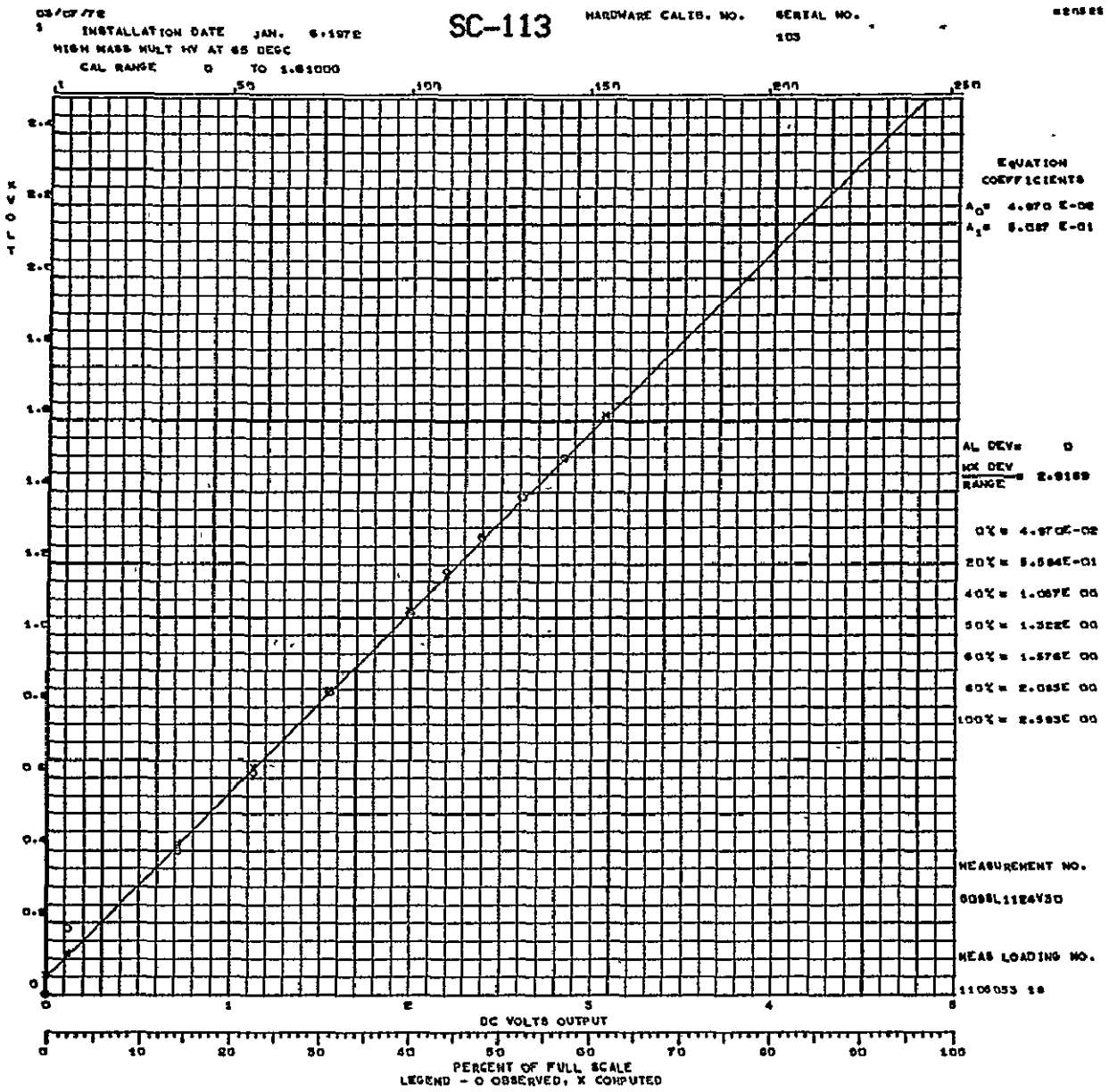
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

HIGH MASS MALT HV AT ROOM TEMP

MEASUREMENT NO. 8095L1124V20
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT
1	-0.001	37	0.415	73	0.811	109	1.191	145	1.560	181	1.922	217	2.282
2	0.011	38	0.427	74	0.822	110	1.201	146	1.570	182	1.932	218	2.292
3	0.023	39	0.438	75	0.833	111	1.212	147	1.580	183	1.942	219	2.302
4	0.035	40	0.449	76	0.843	112	1.222	148	1.590	184	1.952	220	2.312
5	0.047	41	0.460	77	0.854	113	1.232	149	1.600	185	1.962	221	2.322
6	0.059	42	0.471	78	0.865	114	1.243	150	1.610	186	1.972	222	2.332
7	0.070	43	0.483	79	0.875	115	1.253	151	1.620	187	1.982	223	2.342
8	0.082	44	0.494	80	0.886	116	1.263	152	1.631	188	1.992	224	2.352
9	0.094	45	0.505	81	0.897	117	1.274	153	1.641	189	2.002	225	2.362
10	0.105	46	0.516	82	0.907	118	1.284	154	1.651	190	2.012	226	2.372
11	0.117	47	0.527	83	0.918	119	1.294	155	1.661	191	2.022	227	2.382
12	0.129	48	0.538	84	0.929	120	1.305	156	1.671	192	2.032	228	2.392
13	0.141	49	0.549	85	0.939	121	1.315	157	1.681	193	2.042	229	2.402
14	0.152	50	0.560	86	0.950	122	1.325	158	1.691	194	2.052	230	2.412
15	0.164	51	0.571	87	0.960	123	1.336	159	1.701	195	2.062	231	2.422
16	0.176	52	0.583	88	0.971	124	1.346	160	1.711	196	2.072	232	2.432
17	0.187	53	0.594	89	0.982	125	1.356	161	1.721	197	2.082	233	2.442
18	0.199	54	0.605	90	0.992	126	1.366	162	1.731	198	2.092	234	2.453
19	0.210	55	0.616	91	1.003	127	1.377	163	1.741	199	2.102	235	2.463
20	0.222	56	0.627	92	1.013	128	1.387	164	1.751	200	2.112	236	2.473
21	0.233	57	0.637	93	1.024	129	1.397	165	1.761	201	2.122	237	2.483
22	0.245	58	0.648	94	1.034	130	1.407	166	1.772	202	2.132	238	2.493
23	0.256	59	0.659	95	1.045	131	1.417	167	1.782	203	2.142	239	2.503
24	0.268	60	0.670	96	1.055	132	1.428	168	1.792	204	2.152	240	2.513
25	0.279	61	0.681	97	1.066	133	1.438	169	1.802	205	2.162	241	2.523
26	0.291	62	0.692	98	1.076	134	1.448	170	1.812	206	2.172	242	2.533
27	0.302	63	0.703	99	1.087	135	1.458	171	1.822	207	2.182	243	2.543
28	0.314	64	0.714	100	1.097	136	1.468	172	1.832	208	2.192	244	2.553
29	0.325	65	0.725	101	1.108	137	1.479	173	1.842	209	2.202	245	2.563
30	0.336	66	0.735	102	1.118	138	1.489	174	1.852	210	2.212	246	2.574
31	0.348	67	0.745	103	1.129	139	1.499	175	1.862	211	2.222	247	2.584
32	0.359	68	0.757	104	1.139	140	1.509	176	1.872	212	2.232	248	2.594
33	0.370	69	0.768	105	1.149	141	1.519	177	1.882	213	2.242	249	2.604
34	0.382	70	0.779	106	1.160	142	1.529	178	1.892	214	2.252	250	2.614
35	0.393	71	0.790	107	1.170	143	1.540	179	1.902	215	2.262	251	2.624
36	0.404	72	0.800	108	1.181	144	1.550	180	1.912	216	2.272		

8 148 Charge 2


SC-113
HARDWARE CALIB. NO.
SERIAL NO.
103
INSTALLATION DATE JAN. 6.1972
HIGH MASS MULT HV AT 65 DEGC
CAL RANGE 0 TO 1.61000
EQUATION COEFFICIENTS
AL DEV= 0
0% = 4.970E-02
20% = 5.584E-01
40% = 1.087E 00
50% = 1.322E 00
60% = 1.576E 00
80% = 2.083E 00
100% = 2.593E 00
MEASUREMENT NO.
MEAS LOADING NO.
1106053 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

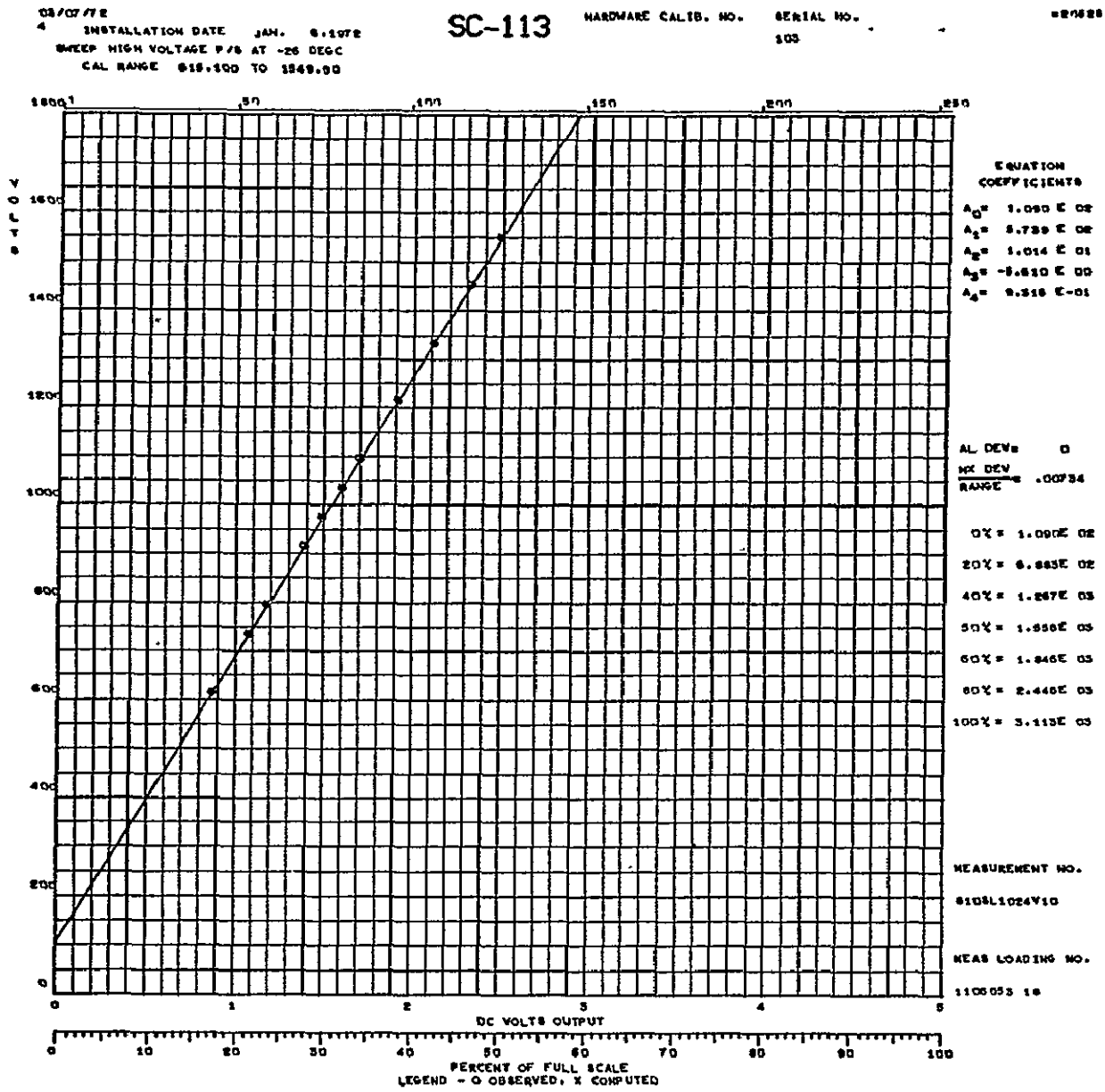
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

HIGH MASS MULT HV AT 65 DEGC

MEASUREMENT NO. 8005L1124\30
VEHICLE SC-115 EXP
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT	CNT	KVOLT
1	0.050	37	0.416	73	0.782	109	1.149	145	1.515	181	1.881	217	2.247
2	0.050	38	0.426	74	0.792	110	1.159	146	1.525	182	1.891	218	2.258
3	0.070	39	0.439	75	0.808	111	1.169	147	1.535	183	1.902	219	2.268
4	0.080	40	0.447	76	0.813	112	1.179	148	1.545	184	1.912	220	2.278
5	0.090	41	0.457	77	0.823	113	1.189	149	1.556	185	1.922	221	2.288
6	0.101	42	0.467	78	0.833	114	1.199	150	1.566	186	1.932	222	2.298
7	0.111	43	0.477	79	0.843	115	1.210	151	1.576	187	1.942	223	2.309
8	0.121	44	0.487	80	0.854	116	1.220	152	1.586	188	1.952	224	2.319
9	0.131	45	0.497	81	0.864	117	1.230	153	1.596	189	1.963	225	2.329
10	0.141	46	0.508	82	0.874	118	1.240	154	1.606	190	1.973	226	2.339
11	0.151	47	0.518	83	0.884	119	1.250	155	1.617	191	1.983	227	2.349
12	0.162	48	0.528	84	0.894	120	1.261	156	1.627	192	1.993	228	2.359
13	0.172	49	0.538	85	0.904	121	1.271	157	1.637	193	2.003	229	2.370
14	0.182	50	0.548	86	0.915	122	1.281	158	1.647	194	2.013	230	2.380
15	0.192	51	0.559	87	0.925	123	1.291	159	1.657	195	2.024	231	2.390
16	0.202	52	0.569	88	0.935	124	1.301	160	1.668	196	2.034	232	2.400
17	0.212	53	0.579	89	0.945	125	1.311	161	1.678	197	2.044	233	2.410
18	0.223	54	0.589	90	0.955	126	1.322	162	1.688	198	2.054	234	2.420
19	0.233	55	0.599	91	0.965	127	1.332	163	1.698	199	2.064	235	2.431
20	0.243	56	0.609	92	0.976	128	1.342	164	1.708	200	2.075	236	2.441
21	0.253	57	0.619	93	0.986	129	1.352	165	1.718	201	2.085	237	2.451
22	0.263	58	0.630	94	0.996	130	1.362	166	1.729	202	2.095	238	2.461
23	0.274	59	0.640	95	1.006	131	1.372	167	1.739	203	2.105	239	2.471
24	0.284	60	0.650	96	1.016	132	1.383	168	1.749	204	2.115	240	2.482
25	0.294	61	0.660	97	1.026	133	1.393	169	1.759	205	2.125	241	2.492
26	0.304	62	0.670	98	1.037	134	1.403	170	1.769	206	2.136	242	2.502
27	0.314	63	0.681	99	1.047	135	1.413	171	1.779	207	2.146	243	2.512
28	0.324	64	0.691	100	1.057	136	1.423	172	1.790	208	2.156	244	2.522
29	0.335	65	0.701	101	1.067	137	1.433	173	1.800	209	2.166	245	2.532
30	0.345	66	0.711	102	1.077	138	1.444	174	1.810	210	2.176	246	2.543
31	0.355	67	0.721	103	1.088	139	1.454	175	1.820	211	2.186	247	2.553
32	0.365	68	0.731	104	1.098	140	1.464	176	1.830	212	2.197	248	2.563
33	0.375	69	0.742	105	1.108	141	1.474	177	1.840	213	2.207	249	2.573
34	0.385	70	0.752	106	1.118	142	1.484	178	1.851	214	2.217	250	2.583
35	0.395	71	0.762	107	1.128	143	1.495	179	1.861	215	2.227	251	2.593
36	0.405	72	0.772	108	1.138	144	1.505	180	1.871	216	2.237		

8 150 Charge 2

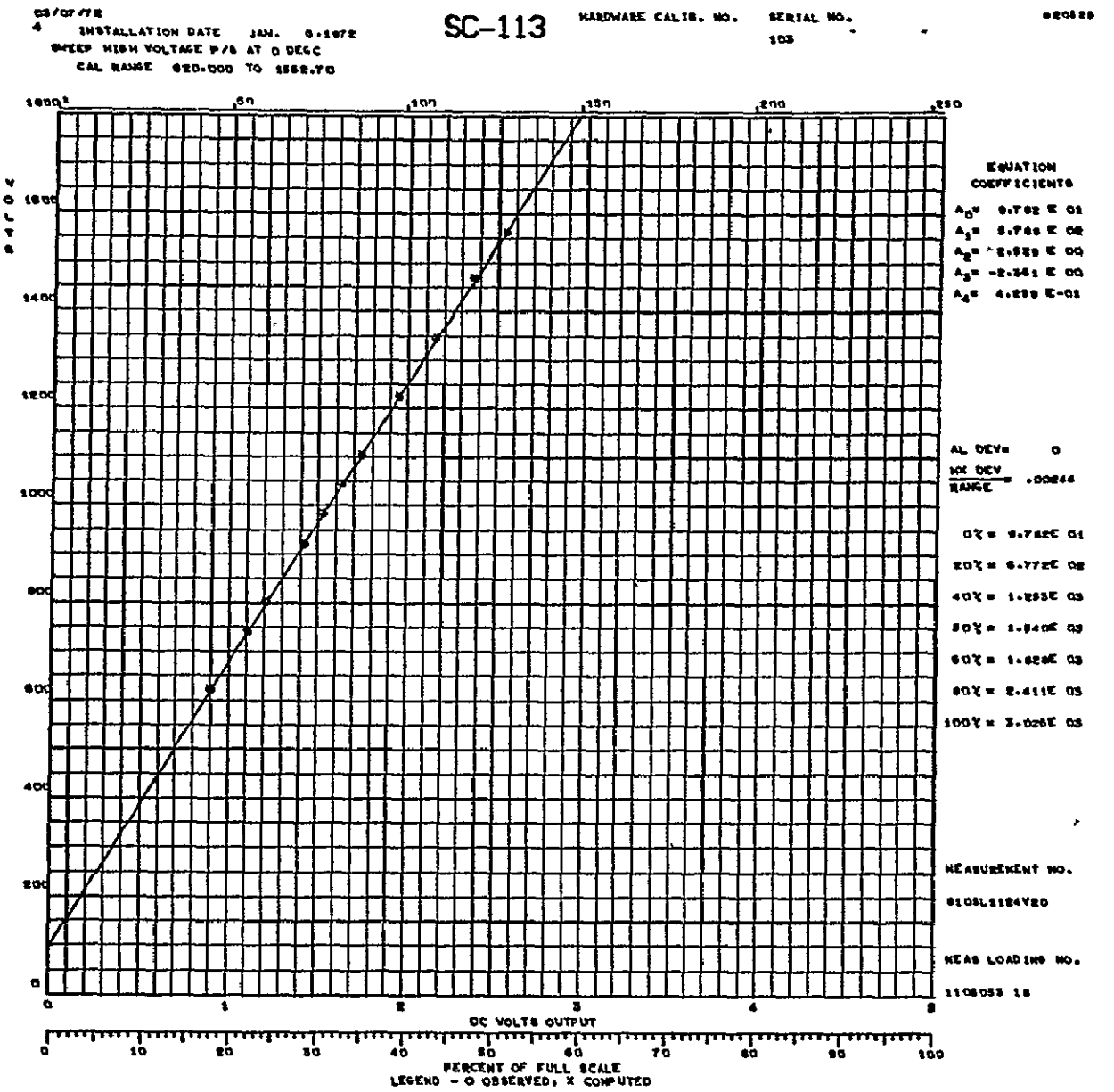

SC-113
INSTALLATION DATE JAN. 8.1972
SWEEP HIGH VOLTAGE P/S AT -26 DEGC
CAL RANGE 818.100 TO 1349.00
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
A_0= 1.090 E 02
A_1= 5.739 E 02
A_2= 1.014 E 01
A_3= -5.610 E 00
A_4= 9.316 E-01
AL DEV= 0
MX DEV / RANGE= .00734
0%= 1.090E 02
20%= 6.883E 02
40%= 1.267E 03
50%= 1.556E 03
60%= 1.846E 03
80%= 2.446E 03
100%= 3.113E 03
MEASUREMENT NO.
8108L1024V10
MEAS LOADING NO.
1106053 18
VOLTS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

SWEEP HIGH VOLTAGE P/S AT -26 DEGC

MEASUREMENT NO. 6100-1024V10
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 01/05/72

CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	108.973	37	525.570	73	943.618	109	1359 568	145	1775.630	181	2201.020	217	2649 466
2	120.454	38	537.193	74	955.205	110	1371.102	146	1787.517	182	2213.091	218	2662.439
3	131.945	39	548.816	75	966.705	111	1382 635	147	1799.160	183	2225.160	219	2675.446
4	143.440	40	560.440	76	978.257	112	1394.170	148	1810.611	184	2237.258	220	2688 467
5	154.944	41	572.035	77	989 845	113	1405.704	149	1822.469	185	2249 374	221	2701 563
6	166.456	42	583.609	78	1001.522	114	1417.239	150	1834.134	186	2261.509	222	2714.675
7	177.974	43	595.314	79	1013.097	115	1428 774	151	1845.837	187	2273.654	223	2727.625
8	189.498	44	606.939	80	1024 670	116	1440 310	152	1857.468	188	2285.838	224	2741 007
9	201.029	45	618.563	81	1035 2.0	117	1451.847	153	1869.177	189	2298 035	225	2754 228
10	212.555	46	630 187	82	1047.809	118	1463 384	154	1880.874	190	2310 249	226	2767.407
11	224.109	47	641.811	83	1059 376	119	1474.923	155	1892 581	191	2322.465	227	2780 784
12	235 657	48	653.434	84	1070.941	120	1486.433	156	1904 255	192	2334.744	228	2794.119
13	247.211	49	665.057	85	1082 504	121	1498.004	157	1916 021	193	2347.025	229	2807.494
14	258.770	50	676.679	86	1094.065	122	1509 547	158	1927.755	194	2359 327	230	2820 908
15	270.333	51	688-300	87	1105 624	123	1521 092	159	1939 500	195	2371.653	231	2834.363
16	281.902	52	699.920	88	1117.181	124	1532.638	160	1951 254	196	2384.001	232	2847.858
17	293.475	53	711.540	89	1128.737	125	1544.187	161	1963.019	197	2396.373	233	2861.395
18	305.052	54	723.158	90	1140.290	126	1555.737	162	1974.796	198	2408 770	234	2874.974
19	316.633	55	734.775	91	1151.845	127	1567.290	163	1986.582	199	2421.190	235	2888 595
20	328.218	56	746 391	92	1163 398	128	1578 845	164	1998 381	200	2433.636	236	2902.259
21	339.807	57	758 005	93	1174 942	129	1590 405	165	2010.191	201	2446.107	237	2915.967
22	351.399	58	769 619	94	1186 489	130	1601 956	166	2022.015	202	2458 604	238	2929 719
23	362.995	59	781.231	95	1198.035	131	1613.531	167	2033.848	203	2471.127	239	2943.515
24	374.593	60	792.841	96	1209 580	132	1625.099	168	2045.695	204	2483 677	240	2957.357
25	386.194	61	804.450	97	1221.123	133	1636 670	169	2057.556	205	2496.254	241	2971.245
26	397.798	62	816 057	98	1232.665	134	1648.245	170	2069 429	206	2508.858	242	2985.180
27	409.405	63	827.663	99	1244 205	135	1659 824	171	2081 317	207	2521.491	243	2999.162
28	421.014	64	839.267	100	1255.746	136	1671.406	172	2093 218	208	2534.152	244	3013.191
29	432.625	65	850.869	101	1267.284	137	1682.995	173	2105.134	209	2546.842	245	3027.269
30	444.238	66	862.469	102	1278.822	138	1694.587	174	2117.065	210	2559.562	246	3041.395
31	455.852	67	874 068	103	1290.359	139	1706 184	175	2129.010	211	2572 311	247	3055 571
32	467.469	68	885 664	104	1301 895	140	1717.785	176	2140.971	212	2585.091	248	3069.797
33	479.087	69	897 259	105	1313 431	141	1729.394	177	2152.948	213	2597.902	249	3084 074
34	490.705	70	908.852	106	1324 966	142	1741.008	178	2164 941	214	2610 745	250	3098 402
35	502.325	71	920 442	107	1336 500	143	1752 625	179	2176.950	215	2623 619	251	3112 783
36	513.948	72	932 051	108	1348.084	144	1764.219	180	2188.977	216	2636.526		

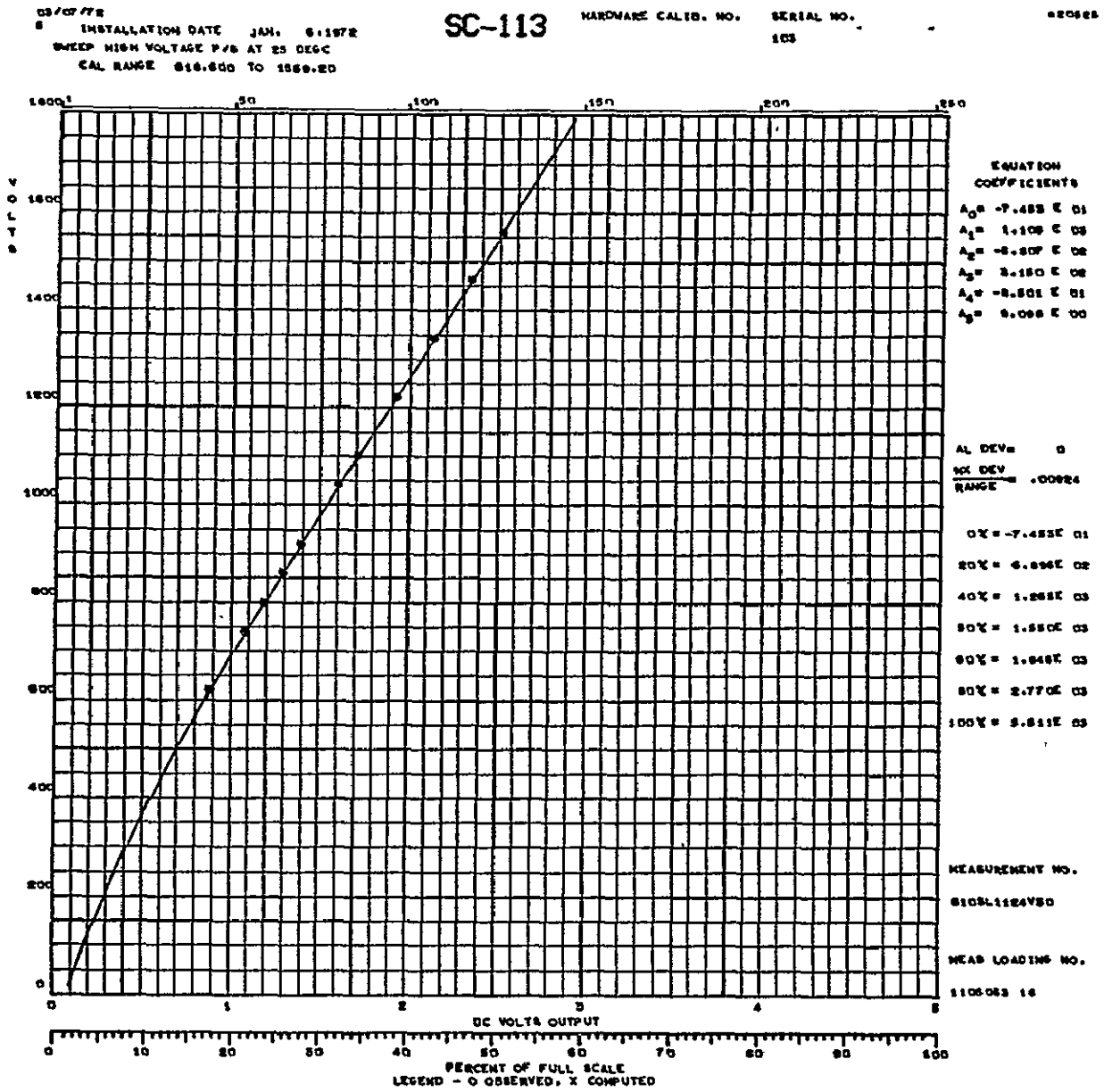

SC-113
HARDWARE CALIB. NO.
SERIAL NO.
153
INSTALLATION DATE JAN. 0.1972
SWEEP HIGH VOLTAGE P/S AT 0 DEGC
CAL RANGE 820.000 TO 1562.70
EQUATION COEFFICIENTS
A_0= 9.782 E 01
A_1= 8.786 E 02
A_2= -2.629 E 00
A_3= -2.341 E 00
A_4= 4.259 E-01
AL DEV= 0
MX DEV / RANGE = .00844
0%= 9.782E 01
20%= 6.772E 02
40%= 1.253E 03
50%= 1.540E 03
60%= 1.828E 03
80%= 2.411E 03
100%= 3.026E 03
MEASUREMENT NO.
0105L1124VE0
MEAS LOADING NO.
1105053 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

****** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ******

SWEEP HIGH VOLTAGE P/S AT 0 DEGC

MEASUREMENT NO. 01CAL1124V20
VEHICLE SC-113
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY CALIBRATION SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	97.024	37	515 102	73	951 319	109	1345.307	145	1758 649	181	2175 071	217	2593 440
2	109.400	38	526.690	74	942 040	110	1356.764	146	1770.157	182	2187.359	218	2615.572
3	120.979	39	538 276	75	954.274	111	1368 250	147	1781.667	183	2199 076	219	2627 713
4	132.560	40	549.052	76	965.699	112	1379.735	148	1793 101	184	2210 791	220	2639.670
5	144.142	41	561.446	77	977.422	113	1391 211	149	1804 647	185	2222 515	221	2652 043
6	155.726	42	573 039	78	988.944	114	1402 685	150	1815 217	185	2234.247	222	2664.232
7	167.312	43	584.611	79	1000.453	115	1414.150	151	1827 740	187	2245.989	223	2676.439
8	178.898	44	596.191	80	1011.920	116	1425.624	152	1839.259	188	2257.740	224	2688 663
9	190.487	45	607.771	81	1023.496	117	1437.103	153	1850 706	189	2269.500	225	2700 904
10	202.076	46	619 348	82	1035.010	118	1448.581	154	1862 330	190	2281.270	226	2713.163
11	213.666	47	630 925	83	1046 522	119	1460.055	155	1873 857	191	2293 050	227	2725.440
12	225.257	48	642.500	84	1058.032	120	1471.529	156	1885.409	192	2304.840	228	2737 735
13	233.849	49	654.073	85	1069 541	121	1483.003	157	1896 954	193	2316.640	229	2750 049
14	248.442	50	665.645	86	1081.048	122	1494.477	158	1908 501	194	2328 450	230	2762.381
15	260.035	51	677.215	87	1092.553	123	1505.951	159	1920 050	195	2340 271	231	2774.732
16	271.630	52	688 784	88	1104.055	124	1517.425	160	1931 617	196	2352 103	232	2787.102
17	283 225	53	700.351	89	1115.556	125	1528 901	161	1943 101	197	2363.946	233	2799.492
18	294.820	54	711 917	90	1127.056	126	1540 377	162	1954 749	198	2375.800	234	2811.902
19	305.415	55	723 481	91	1138.557	127	1551.853	163	1966.322	199	2387.666	235	2824.331
20	318.011	56	735.045	92	1150.054	128	1563.330	164	1977.000	200	2399.543	236	2836.781
21	329 607	57	746 608	93	1161.550	129	1574.808	165	1989 484	201	2411.432	237	2849.252
22	341 205	58	758 152	94	1173 044	130	1586 287	166	2001.073	202	2423.333	238	2861.743
23	352 799	59	769.718	95	1184 536	131	1597 767	167	2012 650	203	2435.246	239	2874.255
24	364.395	60	781 273	96	1196.028	132	1609.247	168	2024 258	204	2447.172	240	2886.789
25	375.991	61	792.833	97	1207 518	133	1620 730	169	2035 874	205	2459 111	241	2899.345
26	387.586	62	804.378	98	1219 008	134	1632.213	170	2047 487	206	2471.063	242	2911.922
27	399.181	63	815.927	99	1230.493	135	1643 698	171	2059 105	207	2483.027	243	2924.521
28	410.776	64	827.475	100	1241.980	136	1655.184	172	2070 730	208	2495 006	244	2937.143
29	422.371	65	839.021	101	1253.464	137	1666 672	173	2082 352	209	2506.997	245	2949.788
30	433.955	66	850.565	102	1264.948	138	1678 162	174	2094.000	210	2518 003	246	2962.456
31	445.550	67	862 107	103	1276 431	139	1689 654	175	2105 645	211	2531.022	247	2975.147
32	457.151	68	873 647	104	1287.912	140	1701 147	176	2117.298	212	2543.056	248	2987.852
33	468 743	69	885.185	105	1299 393	141	1712 643	177	2128 957	213	2555.104	249	3000 601
34	480.334	70	896.721	106	1310.873	142	1724.141	178	2140 624	214	2567.168	250	3013.364
35	491 924	71	908 256	107	1322 352	143	1735 641	179	2152 299	215	2579 246	251	3035.152
36	503.514	72	919.788	108	1333.830	144	1747.144	180	2163 981	216	2591.339		


INSTALLATION DATE JAN. 6,1972
SWEEP HIGH VOLTAGE P/S AT 25 DEGC
CAL RANGE 816.600 TO 1559.20
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
103
VOLTS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
AL DEV= 0
RANGE = .00024
MEASUREMENT NO.
MEAS LOADING NO.

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

BEEP HIGH VOLTAGE P/S AT 25 DEGC

MEASUREMENT NO. 8109L1104V3D
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

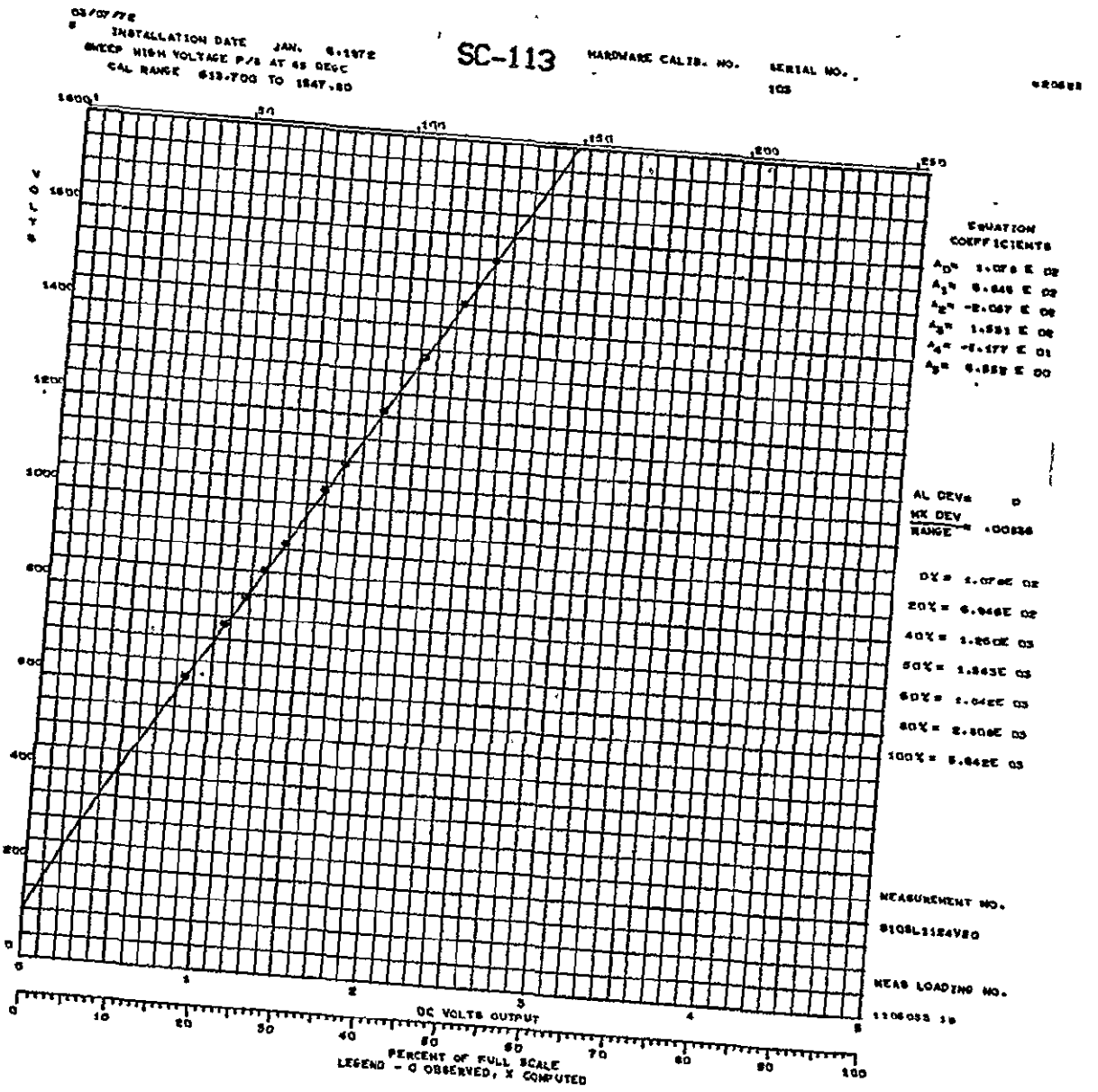
CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	-74.530	37	517.042	73	944.902	109	1356 090	145	1771.055	181	2229.020	217	3541.124
2	-52.645	38	529 884	74	956.359	110	1357.454	146	1784.001	182	2318.151	218	3364.725
3	-31 210	39	542.627	75	967.812	111	1378 646	147	1796.217	183	2337.660	219	3429.409
4	-10.210	40	555.277	76	979 252	112	1390.227	148	1803.509	184	2357.660	220	3475.200
5	10.370	41	567.837	77	990.703	113	1401.606	149	1820.802	185	2377.655	221	3522.125
6	30.543	42	580.314	78	1002.151	114	1412.965	150	1833.340	186	2398.590	222	3570.212
7	50.323	43	592.712	79	1013 592	115	1424.355	151	1845.690	187	2419 747	223	3619.491
8	69.723	44	605.035	80	1025.032	116	1435.744	152	1858 535	188	2441.353	224	3669.988
9	88.757	45	617.289	81	1036.459	117	1447.125	153	1871.202	189	2463.421	225	3721.733
10	107.436	46	629.477	82	1047.905	118	1458.500	154	1884.137	190	2485.968	226	3774.755
11	125.775	47	641.608	83	1059 340	119	1469.869	155	1897.105	191	2509.009	227	3829 095
12	143.785	48	653 672	84	1070.775	120	1481.262	156	1910.195	192	2532.561	228	3884.753
13	161.477	49	665.685	85	1082 205	121	1492 676	157	1923.407	193	2556.638	229	3941.789
14	178.863	50	677.650	86	1093.637	122	1501.075	158	1936.754	194	2581 258	230	4000.224
15	195.956	51	689 566	87	1105.057	123	1515.481	159	1950.240	195	2605 439	231	4059 031
16	212.765	52	701.439	88	1116.466	124	1525.865	160	1963.873	196	2632.197	232	4121.422
17	229 301	53	713.271	89	1127.825	125	1538.318	161	1977.659	197	2658.550	233	4184.249
18	245.575	54	725.065	90	1139.350	126	1549.753	162	1991 607	198	2685 516	234	4248.608
19	261.598	55	736.824	91	1150.775	127	1561.199	163	2005.724	199	2713 114	235	4314.525
20	277.378	56	748.551	92	1162.199	128	1572 660	164	2020 017	200	2741.362	236	4382.043
21	292 927	57	760 247	93	1173.621	129	1584.136	165	2034.495	201	2770 279	237	4451.192
22	308.252	58	771 915	94	1185 042	130	1595.630	166	2049.169	202	2799.886	238	4522.006
23	323.354	59	783 560	95	1195.460	131	1607.144	167	2064.043	203	2830.202	239	4594.527
24	338.271	60	795.181	96	1207.877	132	1618.680	168	2079.130	204	2861.247	240	4668.765
25	352.982	61	806.781	97	1219.292	133	1630.239	169	2094.436	205	2893.042	241	4744.818
26	367.505	62	818.351	98	1230.704	134	1641.825	170	2109.973	206	2925 606	242	4822 684
27	381.846	63	829 924	99	1242.115	135	1653.441	171	2125 749	207	2958.955	243	4902.350
28	396.021	64	841.471	100	1253 523	136	1665.088	172	2141.774	208	2993.199	244	4983.944
29	410.029	65	853.004	101	1264.928	137	1676.770	173	2158.050	209	3028.147	245	5067.456
30	423 880	66	864.524	102	1276.331	138	1688.489	174	2174.615	210	3064.015	246	5152.934
31	437.585	67	876.032	103	1287.731	139	1700.249	175	2191.453	211	3100.765	247	5240.419
32	451.143	68	887.530	104	1299.129	140	1712.053	176	2208.582	212	3138.420	248	5329.949
33	464.568	69	899 019	105	1310.524	141	1723.904	177	2226.015	213	3177.004	249	5421.567
34	477.864	70	910.500	106	1321.917	142	1735 807	178	2243.763	214	3216.542	250	5515.313
35	491.038	71	921.973	107	1333.307	143	1747.763	179	2261.839	215	3257.058	251	5611.250
36	504.095	72	933.441	108	1344.695	144	1759 779	180	2280.253	216	3298.577		

CALIBRATION DATA FOR MEASUREMENT

810SL1124V40

WAS NOT AVAILABLE AT TIME OF PUBLICATION

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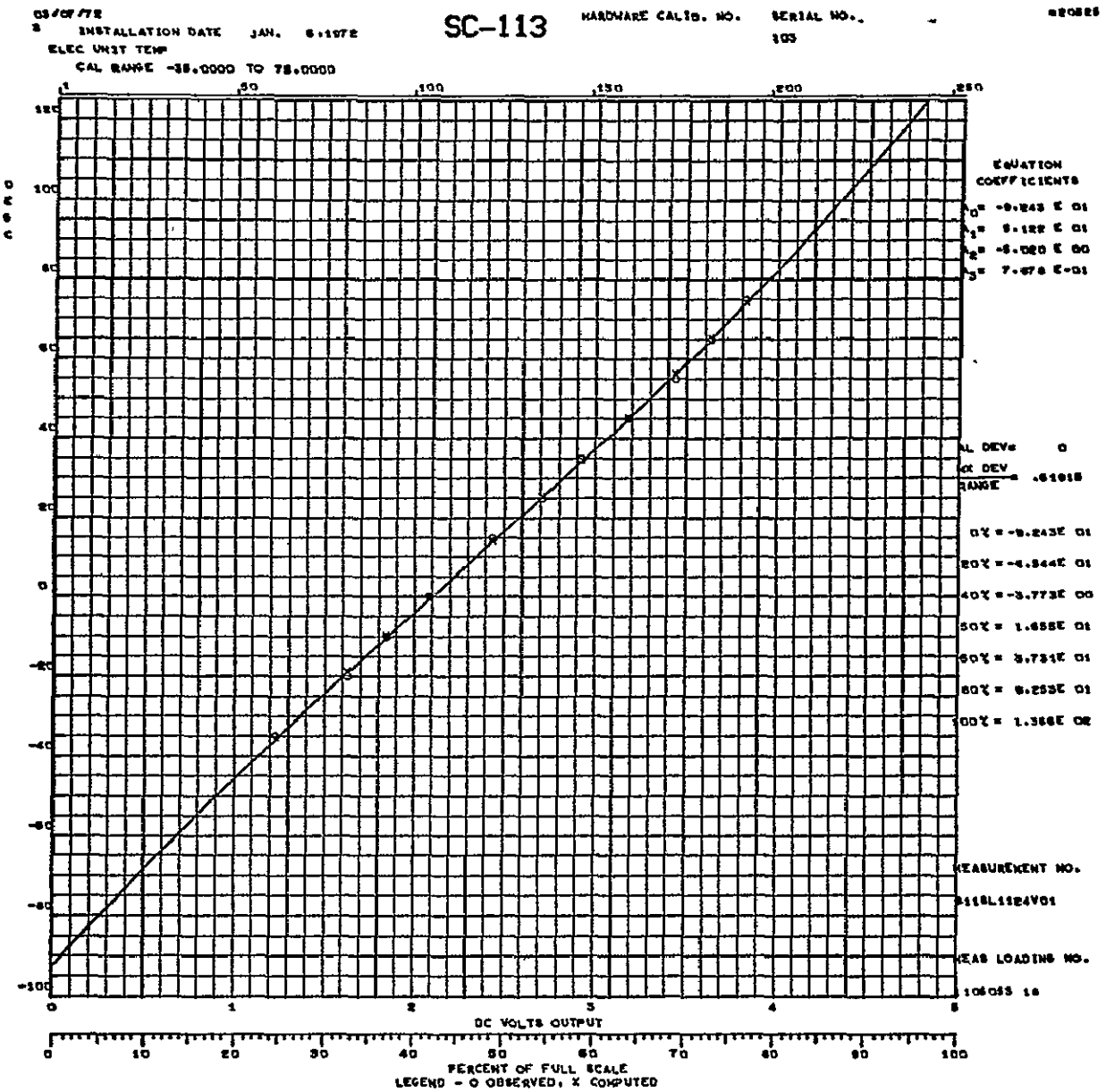


**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

SWEEP HIGH VOLTAGE P/S AT 65 DEGC

MEASUREMENT NO. 0103L1124V50
VEHICLE BC-115-EXP
TRANSDUCER SERIAL NO 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS	CNT	VOLTS
1	107 636	37	538.621	73	942.221	109	1350.770	145	1766 760	181	2315.173	217	3395 615
2	121 447	38	549.776	74	953.565	110	1362.057	146	1779 124	182	2335.292	218	3459 978
3	134.901	39	560.924	75	964.913	111	1373.352	147	1791 577	183	2355.807	219	3485 373
4	148.205	40	572 057	76	976.257	112	1384 657	148	1804.125	184	2376.731	220	3531.629
5	161.365	41	583 205	77	987.625	113	1395 951	149	1816 773	185	2398.075	221	3579 365
6	174.309	42	594.340	78	998.985	114	1407.246	150	1829 526	186	2419 854	222	3628 009
7	187.282	43	605 474	79	1010.351	115	1418.542	151	1842.309	187	2442 081	223	3677 782
8	200 051	44	616.607	80	1021.719	116	1429 841	152	1855.369	188	2464 770	224	3728.712
9	212.705	45	627 741	81	1033 069	117	1441.144	153	1868.471	189	2487 934	225	3780 823
10	225.242	46	638.870	82	1044.451	118	1452 451	154	1881 702	190	2511.589	226	3834.141
11	237.675	47	650.017	83	1055.834	119	1463.765	155	1895 057	191	2535.748	227	3888 692
12	250.008	48	661.160	84	1067.208	120	1475.086	156	1908 574	192	2560 426	228	3944.503
13	262.246	49	672 309	85	1078.562	121	1486.416	157	1922.228	193	2585.639	229	4001.600
14	274.393	50	683.462	86	1090 957	122	1497.756	158	1936 057	194	2611.402	230	4060 011
15	286 456	51	694.622	87	1101.330	123	1509 109	159	1950 008	195	2637.731	231	4119 763
16	298.436	52	705.788	88	1112 703	124	1520 475	160	1964.148	196	2664.642	232	4180 884
17	310.345	53	716.952	89	1124.074	125	1531.858	161	1978 454	197	2692.150	233	4243 403
18	322.182	54	728.144	90	1135 443	126	1543 257	162	1992 955	198	2720.273	234	4307.348
19	333.952	55	739 333	91	1146.810	127	1554 677	163	2007 657	199	2749.027	235	4372 749
20	345.660	56	750.531	92	1158.174	128	1566.119	164	2022 550	200	2778.430	236	4439 635
21	357.311	57	761.738	93	1169 535	129	1577.585	165	2037.650	201	2808 499	237	4508.036
22	368.907	58	772.953	94	1180.898	130	1589 078	166	2052.957	202	2839 251	238	4577.982
23	380.453	59	784.178	95	1192 247	131	1600.601	167	2068 510	203	2870.705	239	4649 504
24	391.952	60	795.411	96	1203 597	132	1612 155	168	2084.287	204	2902 880	240	4722 635
25	403.408	61	806.654	97	1214 943	133	1623 745	169	2100 308	205	2935.793	241	4797.401
26	414.825	62	817.905	98	1226.285	134	1635 372	170	2116.581	206	2969 464	242	4873.839
27	426.205	63	829.166	99	1237.623	135	1647 041	171	2133.117	207	3003.912	243	4951.979
28	437.552	64	840.435	100	1248.956	136	1658.753	172	2149.925	208	3039 157	244	5031.855
29	448.869	65	851.714	101	1260.286	137	1670 513	173	2167 014	209	3075.219	245	5113.500
30	460.158	66	863 001	102	1271.609	138	1682.325	174	2184 397	210	3112.117	246	5196.946
31	471 422	67	874.295	103	1282.930	139	1694.191	175	2202.082	211	3149.874	247	5282.229
32	482.664	68	885.599	104	1294 245	140	1705.115	176	2220 081	212	3188.508	248	5369.382
33	493.886	69	896 909	105	1305 557	141	1718 102	177	2238.405	213	3228 042	249	5458.440
34	505.090	70	908.227	106	1316.865	142	1730.156	178	2257.054	214	3268 498	250	5549 439
35	516.280	71	919.552	107	1328.170	143	1742 281	179	2276.071	215	3309 897	251	5642.413
36	527.456	72	930.884	108	1339.471	144	1754.480	180	2295.436	216	3352 251		


SC-113
INSTALLATION DATE JAN. 6.1972
ELEC UNIT TEMP
CAL RANGE -55.0000 TO 75.0000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

ELEC UNIT TEMP

MEASUREMENT NO. 811SL1124V01
VEHICLE SC-113-[illegible]
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 01/05/72

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	-92.425	37	-57.059	73	-25 733	109	2.717	145	32.255	181	65.544	217	98.650
2	-91.408	38	-56 056	74	-25.000	110	3 528	146	33.003	182	64.559	218	99.691
3	-90 385	39	-55 055	75	-25.059	111	4 339	147	33.934	183	65.478	219	100.755
4	-89.370	40	-55.158	76	-24.239	112	5.151	148	34.775	184	66.309	220	101.763
5	-88.350	41	-54.253	77	-23 410	113	5.652	149	35.619	185	67.325	221	102 639
6	-87.353	42	-53 370	78	-22 582	114	6.774	150	36.463	186	68 250	222	103.697
7	-86.351	43	-52 400	79	-21.756	115	7.565	151	37.310	187	69.160	223	104.659
8	-85.352	44	-51.502	80	-20.930	116	8.399	152	38.156	188	70.112	224	105.635
9	-84.356	45	-50.707	81	-20.105	117	9.211	153	39 009	189	71.048	225	107.097
10	-83.355	46	-49.624	82	-19 282	118	10.024	154	39.859	190	71.987	226	108.175
11	-82.377	47	-48.943	83	-18.459	119	10.838	155	40 715	191	72.930	227	109.255
12	-81.398	48	-48.064	84	-17.638	120	11.652	156	41.568	192	73.875	228	110.338
13	-80.412	49	-47.108	85	-16.817	121	12.466	157	42 425	193	74.824	229	111 427
14	-79.435	50	-46.314	86	-15.997	122	13.281	158	43 284	194	75.775	230	112.520
15	-78.461	51	-45.442	87	-15.178	123	14 095	159	44.144	195	76.731	231	113.619
16	-77.491	52	-44.573	88	-14.359	124	14.912	160	45.007	196	77.689	232	114.722
17	-76.525	53	-43.705	89	-13 542	125	15.729	161	45.872	197	78.651	233	115.830
18	-75.562	54	-42.839	90	-12.725	126	16.546	162	46.739	198	79 618	234	116.942
19	-74.602	55	-41.976	91	-11.909	127	17.365	163	47.608	199	80.585	235	118.060
20	-73.645	56	-41.114	92	-11.093	128	18.183	164	48.478	200	81 557	236	119.182
21	-72.692	57	-40.255	93	-10.278	129	19 003	165	49 352	201	82.532	237	120.309
22	-71.742	58	-39.397	94	-9.463	130	19 823	166	50 227	202	83.511	238	121.441
23	-70.795	59	-38.541	95	-8.649	131	20.645	167	51.104	203	84.494	239	122.578
24	-69 852	60	-37 687	96	-7.835	132	21.467	168	51.984	204	85.480	240	123 720
25	-68.912	61	-36.835	97	-7.022	133	22.290	169	52.866	205	85.470	241	124.867
26	-67.974	62	-35.984	98	-6.209	134	23.114	170	53.751	206	87.464	242	126.019
27	-67.040	63	-35.135	99	-5.397	135	23.939	171	54.637	207	88.462	243	127.176
28	-66.109	64	-34.288	100	-4.585	136	24.765	172	55.527	208	89.463	244	128 338
29	-65.181	65	-33.443	101	-3.773	137	25.593	173	56 418	209	90.468	245	129.505
30	-64.256	66	-32.599	102	-2.961	138	26.421	174	57.312	210	91.477	246	130.678
31	-63.333	67	-31.756	103	-2.150	139	27.251	175	58.209	211	92 489	247	131.856
32	-62.414	68	-30.915	104	-1.338	140	28.081	176	59 108	212	93.505	248	133.059
33	-61.497	69	-30.076	105	-0.527	141	28.913	177	60.010	213	94.527	249	134.226
34	-60.584	70	-29 238	106	0.284	142	29 747	178	60 914	214	95.551	250	135.422
35	-59.673	71	-28 402	107	1.095	143	30.581	179	61.822	215	90.580	251	136.621
36	-58.764	72	-27.566	108	1.905	144	31.417	180	62.731	216	97.613		

CALIBRATION DATA FOR MEASUREMENT

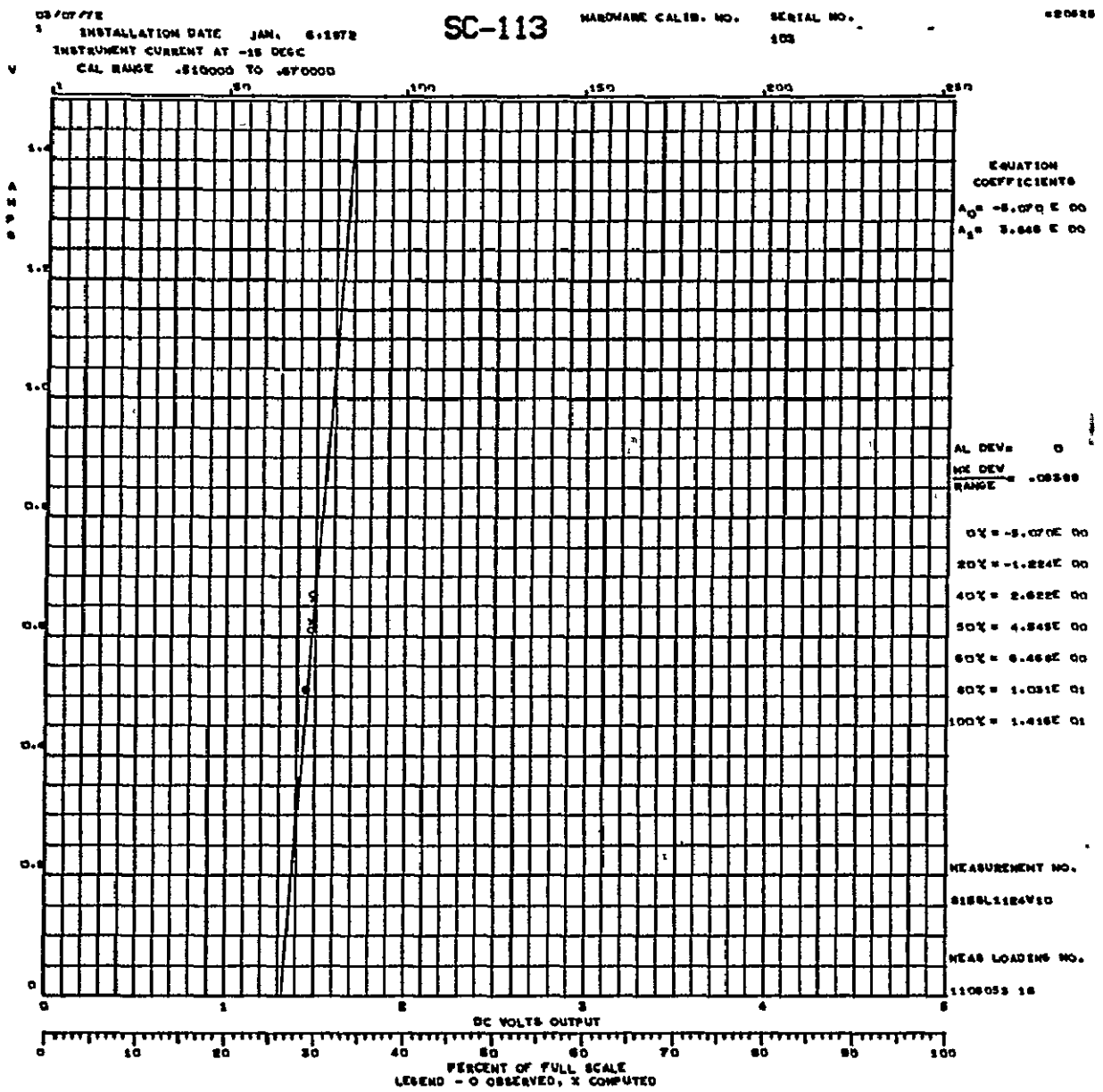
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812SL1124V
WAS NOT AVAILABLE AT TIME OF PUBLICATION

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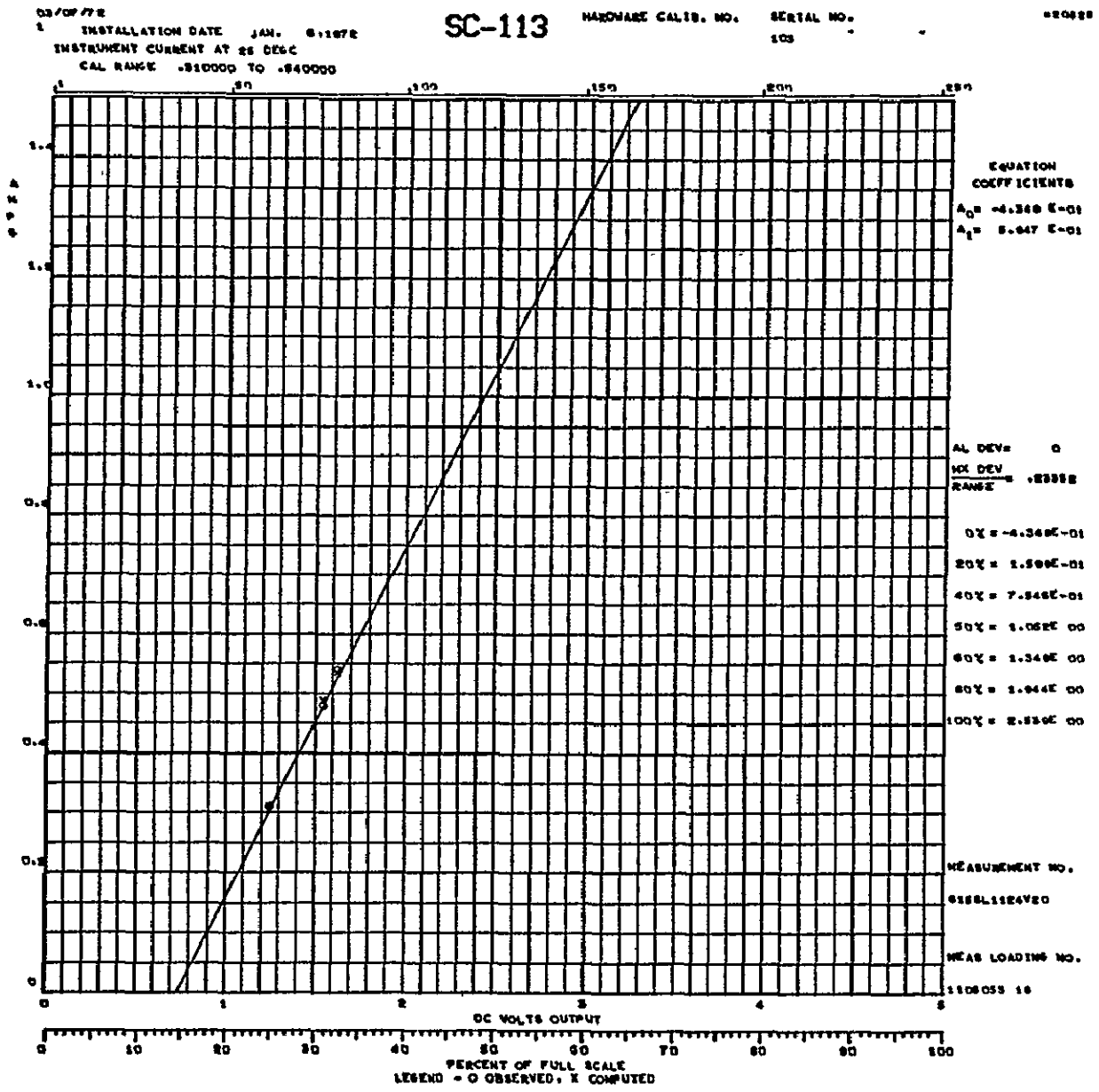


CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

INSTRUMENT CURRENT AT -15 DEGC

MEASUREMENT NO. 8156L1124V10
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 105
SIGNAL CONDITIONER SERIAL NO
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	-5.070	37	-2.301	73	0.458	109	3.238	145	6.007	181	8.776	217	11.545
2	-4.993	38	-2.224	74	0.545	110	3.315	146	6.084	182	8 853	218	11 622
3	-4.916	39	-2.147	75	0.622	111	3.392	147	6.161	183	8 930	219	11 699
4	-4.839	40	-2.070	76	0.699	112	3.468	148	6.238	184	9 007	220	11.776
5	-4.762	41	-1.993	77	0.776	113	3.545	149	6 315	185	9.084	221	11.853
6	-4.686	42	-1 916	78	0.853	114	3 622	150	6.392	186	9.161	222	11.930
7	-4.609	43	-1.839	79	0.930	115	3.699	151	6.468	187	9 238	223	12.007
8	-4.532	44	-1.762	80	1.007	116	3.776	152	6.545	188	9.315	224	12.084
9	-4.455	45	-1.685	81	1.084	117	3 853	153	6.622	189	9 392	225	12 161
10	-4.378	46	-1.600	82	1.161	118	3 930	154	6.699	190	9 468	226	12 238
11	-4.301	47	-1.532	83	1.238	119	4.007	155	6.776	191	9 545	227	12.315
12	-4.224	48	-1.455	84	1.315	120	4.084	156	6.853	192	9 622	228	12.392
13	-4.147	49	-1.378	85	1 392	121	4.161	157	6.930	193	9 699	229	12.468
14	-4.070	50	-1.301	86	1.468	122	4.238	158	7.007	194	9 776	230	12.545
15	-3.993	51	-1 224	87	1.545	123	4.315	159	7.084	195	9.853	231	12.622
16	-3.916	52	-1.147	88	1.622	124	4.392	160	7.161	196	9.930	232	12.699
17	-3.839	53	-1.070	89	1.699	125	4.468	161	7.238	197	10.007	233	12.776
18	-3 762	54	-0.993	90	1.776	126	4 545	162	7.315	198	10.084	234	12 853
19	-3.685	55	-0.916	91	1.853	127	4.622	163	7.392	199	10.161	235	12.930
20	-3.608	56	-0.839	92	1.930	128	4.699	164	7.468	200	10.238	236	13.007
21	-3 532	57	-0.762	93	2.007	129	4.776	165	7.545	201	10.315	237	13.084
22	-3.455	58	-0.685	94	2.084	130	4.853	166	7.622	202	10.392	238	13.161
23	-3.378	59	-0.600	95	2.161	131	4.930	167	7.699	203	10.468	239	13.238
24	-3.301	60	-0.532	96	2.238	132	5.007	168	7.776	204	10.545	240	13.315
25	-3.224	61	-0.455	97	2.315	133	5.084	169	7.853	205	10.622	241	13 392
26	-3.147	62	-0.378	98	2.392	134	5.161	170	7.930	206	10.699	242	13.468
27	-3.070	63	-0.301	99	2.468	135	5.238	171	8.007	207	10.776	243	13.545
28	-2 993	64	-0.224	100	2 545	136	5.315	172	8.084	208	10.853	244	13 622
29	-2.916	65	-0.147	101	2.622	137	5.392	173	8.161	209	10.930	245	13.699
30	-2.839	66	-0.070	102	2.699	138	5.468	174	8.238	210	11.007	246	13.776
31	-2.762	67	0.007	103	2.776	139	5.545	175	8.315	211	11.084	247	13.853
32	-2.685	68	0.084	104	2.853	140	5 622	176	8.392	212	11.161	248	13.930
33	-2.608	69	0.161	105	2.930	141	5.699	177	8.468	213	11.238	249	14.007
34	-2.532	70	0.238	106	3.007	142	5.776	178	8.545	214	11.315	250	14.084
35	-2.455	71	0.315	107	3.084	143	5.853	179	8 622	215	11.392	251	14.161
36	-2.378	72	0.392	108	3.161	144	5.930	180	8.699	216	11 468		

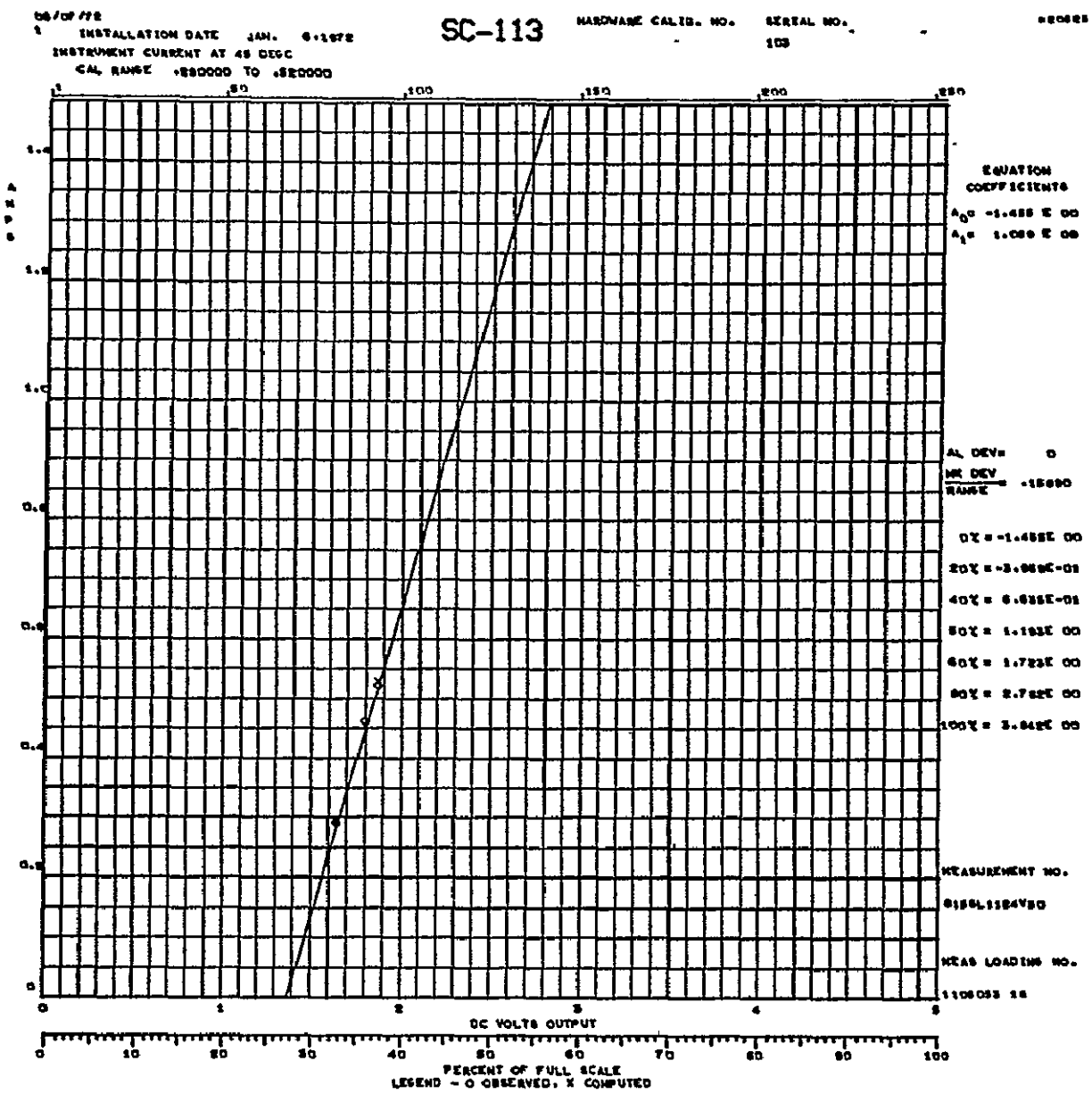

SC-113
INSTALLATION DATE JAN. 6,1972
INSTRUMENT CURRENT AT 25 DEG C
CAL RANGE -.910000 TO -.940000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
AL DEV= 0
HX DEV / RANGE= .23358
0% = -4.348E-01
20% = 1.598E-01
40% = 7.546E-01
50% = 1.052E 00
60% = 1.348E 00
80% = 1.944E 00
100% = 2.536E 00
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

INSTRUMENT CURRENT AT 25 DEGC

MEASUREMENT NO. 0155L1124V20
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	-0.435	37	-0 007	73	0.422	109	0 650	145	1.278	181	1.705	217	2.134
2	-0.423	38	0 005	74	0.433	110	0.652	146	1.290	182	1.718	218	2.148
3	-0.411	39	0.017	75	0.445	111	0.673	147	1.302	183	1.730	219	2.156
4	-0.399	40	0 029	76	0.457	112	0.685	148	1.314	184	1.742	220	2.170
5	-0.387	41	0 041	77	0.469	113	0.697	149	1.325	185	1 754	221	2.182
6	-0.375	42	0 053	78	0.481	114	0.909	150	1.337	186	1 766	222	2.194
7	-0.363	43	0 065	79	0.493	115	0.921	151	1.349	187	1.777	223	2.208
8	-0.352	44	0.077	80	0.505	116	0.933	152	1.361	188	1.789	224	2.217
9	-0.340	45	0 089	81	0.517	117	0.9 5	153	1 373	189	1.801	225	2.229
10	-0 328	46	0.100	82	0.529	118	0.957	154	1.385	190	1.813	226	2 241
11	-0.316	47	0.112	83	0.540	119	0 969	155	1.397	191	1.825	227	2.253
12	-0.304	48	0.124	84	0.552	120	0.981	156	1.409	192	1.837	228	2.265
13	-0.292	49	0.136	85	0.564	121	0.992	157	1.421	193	1 849	229	2.277
14	-0.280	50	0.148	86	0.576	122	1.004	158	1.432	194	1.861	230	2.289
15	-0.268	51	0.160	87	0.588	123	1.016	159	1.444	195	1.873	231	2.301
16	-0.256	52	0.172	88	0.600	124	1 028	160	1.456	196	1 884	232	2.313
17	-0.245	53	0 184	89	0.612	125	1 040	161	1.468	197	1.896	233	2 325
18	-0.233	54	0.196	90	0.624	126	1.052	162	1.480	198	1.908	234	2.336
19	-0.221	55	0.207	91	0.635	127	1.064	163	1.492	199	1.920	235	2.348
20	-0.209	56	0 219	92	0.648	128	1.076	164	1 504	200	1 932	236	2.360
21	-0.197	57	0.231	93	0.659	129	1.088	165	1.515	201	1.944	237	2 372
22	-0.185	58	0.243	94	0.671	130	1.099	166	1.528	202	1.956	238	2.384
23	-0.173	59	0.255	95	0.683	131	1.111	167	1 540	203	1.968	239	2.396
24	-0.161	60	0.267	96	0.695	132	1.123	168	1.551	204	1.980	240	2.408
25	-0.149	61	0.279	97	0.707	133	1.135	169	1.563	205	1.991	241	2 420
26	-0.137	62	0 291	98	0.719	134	1 147	170	1 575	206	2 003	242	2.432
27	-0.125	63	0.303	99	0.731	135	1.159	171	1 587	207	2 015	243	2 443
28	-0.114	64	0.314	100	0.743	136	1.171	172	1.599	208	2.027	244	2 455
29	-0.102	65	0.326	101	0.755	137	1.183	173	1 611	209	2.039	245	2.467
30	-0.090	66	0.338	102	0.766	138	1.195	174	1.623	210	2 051	246	2.479
31	-0.078	67	0.350	103	0.778	139	1.207	175	1.635	211	2 063	247	2 491
32	-0.066	68	0 362	104	0.790	140	1.218	176	1 647	212	2.075	248	2.503
33	-0.054	69	0 374	105	0.802	141	1.230	177	1.658	213	2.087	249	2.515
34	-0.042	70	0.386	106	0.814	142	1.242	178	1 670	214	2.099	250	2 527
35	-0 030	71	0 398	107	0.826	143	1.254	179	1.682	215	2.110	251	2.539
36	-0.019	72	0 410	108	0.838	144	1.266	180	1.694	216	2.122		

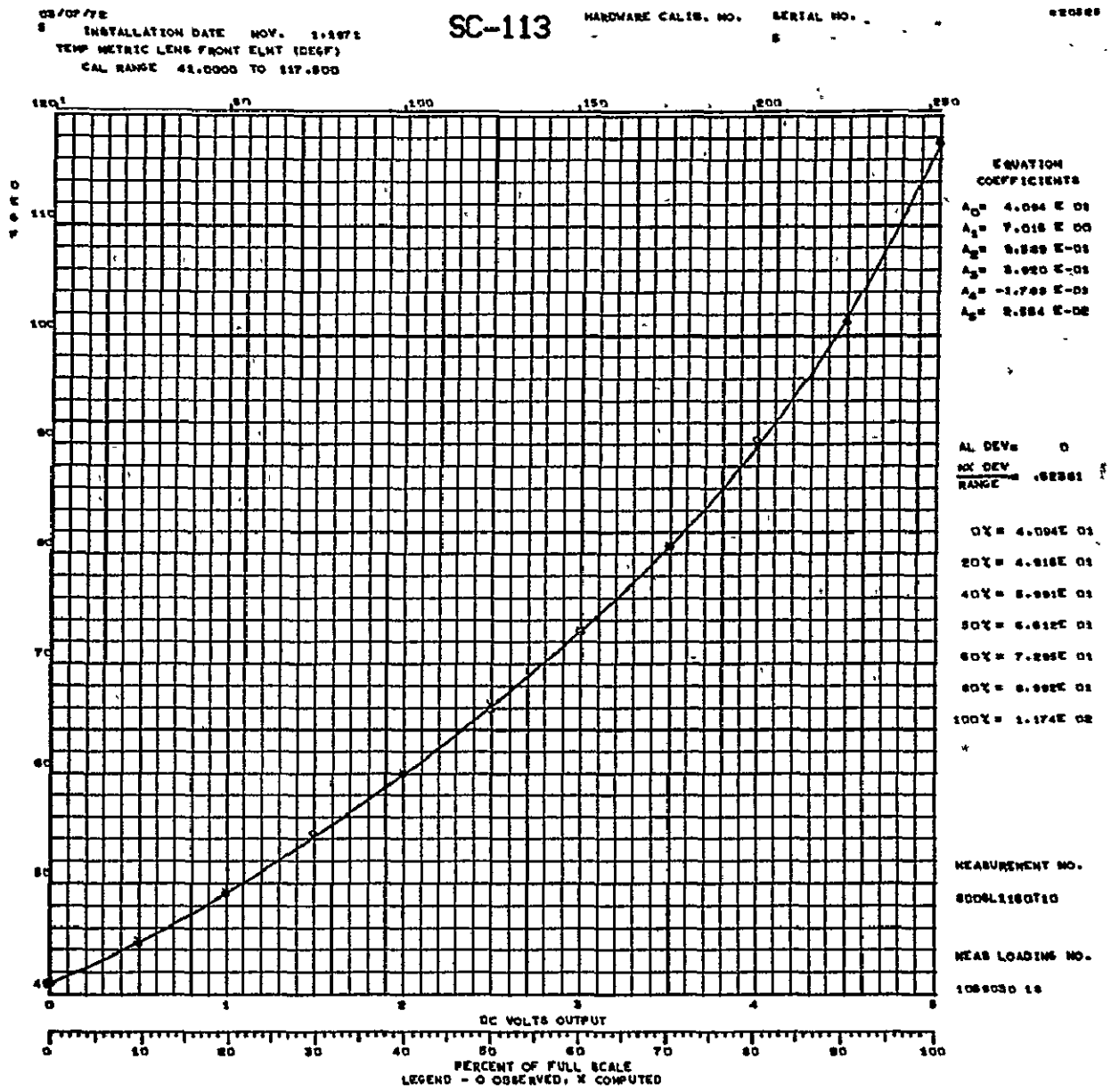

SC-113
INSTALLATION DATE JAN. 6 1972
INSTRUMENT CURRENT AT 45 DEGC
CAL RANGE .000000 TO .020000
HARDWARE CALIB. NO.
SERIAL NO.
103
EQUATION COEFFICIENTS
AL DEV= 0
MR DEV / RANGE = .15000
MEASUREMENT NO.
MEAS LOADING NO.
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS #1 ***

INSTRUMENT CURRENT AT 45 DEGC

MEASUREMENT NO. 0155L1124V30
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 103
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/05/72

CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS	CNT	AMPS
1	-1.455	37	-0.603	73	0.070	109	0.833	145	1.585	181	2.356	217	3.121
2	-1.434	38	-0.671	74	0.091	110	0.854	146	1.617	182	2.380	218	3.142
3	-1.413	39	-0.650	75	0.113	111	0.875	147	1.638	183	2.401	219	3.164
4	-1.392	40	-0.629	76	0.134	112	0.897	148	1.659	184	2.422	220	3.185
5	-1.371	41	-0.608	77	0.155	113	0.918	149	1.680	185	2.443	221	3.206
6	-1.349	42	-0.587	78	0.176	114	0.939	150	1.702	186	2.464	222	3.227
7	-1.328	43	-0.565	79	0.197	115	0.960	151	1.723	187	2.486	223	3.248
8	-1.307	44	-0.544	80	0.219	116	0.981	152	1.744	188	2.507	224	3.269
9	-1.286	45	-0.523	81	0.240	117	1.002	153	1.765	189	2.528	225	3.291
10	-1.265	46	-0.502	82	0.261	118	1.024	154	1.785	190	2.549	226	3.312
11	-1.243	47	-0.481	83	0.282	119	1.045	155	1.808	191	2.570	227	3.333
12	-1.222	48	-0.459	84	0.303	120	1.066	156	1.829	192	2.592	228	3.354
13	-1.201	49	-0.438	85	0.324	121	1.087	157	1.850	193	2.613	229	3.375
14	-1.180	50	-0.417	86	0.345	122	1.108	158	1.871	194	2.634	230	3.397
15	-1.159	51	-0.395	87	0.367	123	1.130	159	1.892	195	2.655	231	3.418
16	-1.137	52	-0.375	88	0.388	124	1.151	160	1.914	196	2.676	232	3.439
17	-1.116	53	-0.354	89	0.409	125	1.172	161	1.935	197	2.697	233	3.460
18	-1.095	54	-0.332	90	0.430	126	1.193	162	1.956	198	2.719	234	3.481
19	-1.074	55	-0.311	91	0.452	127	1.214	163	1.977	199	2.740	235	3.503
20	-1.053	56	-0.290	92	0.473	128	1.236	164	1.998	200	2.761	236	3.524
21	-1.032	57	-0.269	93	0.494	129	1.257	165	2.019	201	2.782	237	3.545
22	-1.010	58	-0.248	94	0.515	130	1.278	166	2.041	202	2.803	238	3.566
23	-0.989	59	-0.226	95	0.536	131	1.299	167	2.062	203	2.825	239	3.587
24	-0.968	60	-0.205	96	0.558	132	1.320	168	2.083	204	2.846	240	3.608
25	-0.947	61	-0.184	97	0.579	133	1.341	169	2.104	205	2.867	241	3.630
26	-0.926	62	-0.163	98	0.600	134	1.363	170	2.125	206	2.888	242	3.651
27	-0.904	63	-0.142	99	0.621	135	1.384	171	2.147	207	2.909	243	3.672
28	-0.883	64	-0.120	100	0.642	136	1.405	172	2.168	208	2.931	244	3.693
29	-0.862	65	-0.099	101	0.663	137	1.426	173	2.189	209	2.952	245	3.714
30	-0.841	66	-0.078	102	0.685	138	1.447	174	2.210	210	2.973	246	3.736
31	-0.820	67	-0.057	103	0.706	139	1.469	175	2.231	211	2.994	247	3.757
32	-0.798	68	-0.036	104	0.727	140	1.490	176	2.253	212	3.015	248	3.778
33	-0.777	69	-0.015	105	0.748	141	1.511	177	2.274	213	3.036	249	3.799
34	-0.756	70	0.007	106	0.769	142	1.532	178	2.295	214	3.058	250	3.820
35	-0.735	71	0.028	107	0.791	143	1.553	179	2.316	215	3.079	251	3.842
36	-0.714	72	0.049	108	0.812	144	1.575	180	2.337	216	3.100		


SC-113
HARDWARE CALIB. NO.
SERIAL NO.
INSTALLATION DATE NOV. 1-1971
TEMP METRIC LENS FRONT ELMT (DEGF)
CAL RANGE 41.0000 TO 117.800
EQUATION COEFFICIENTS
A0= 4.094 E 01
A1= 7.018 E 00
A2= 9.589 E-01
A3= 8.920 E-01
A4= -1.709 E-01
A5= 2.884 E-02
AL DEV= 0
MX DEV / RANGE= .02361
0%= 4.094E 01
20%= 4.916E 01
40%= 5.991E 01
50%= 6.612E 01
60%= 7.295E 01
80%= 8.992E 01
100%= 1.174E 02
MEASUREMENT NO.
8006L1160T10
MEAS LOADING NO.
1069030 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP METRIC LENS FRONT ELMT (DEGF)

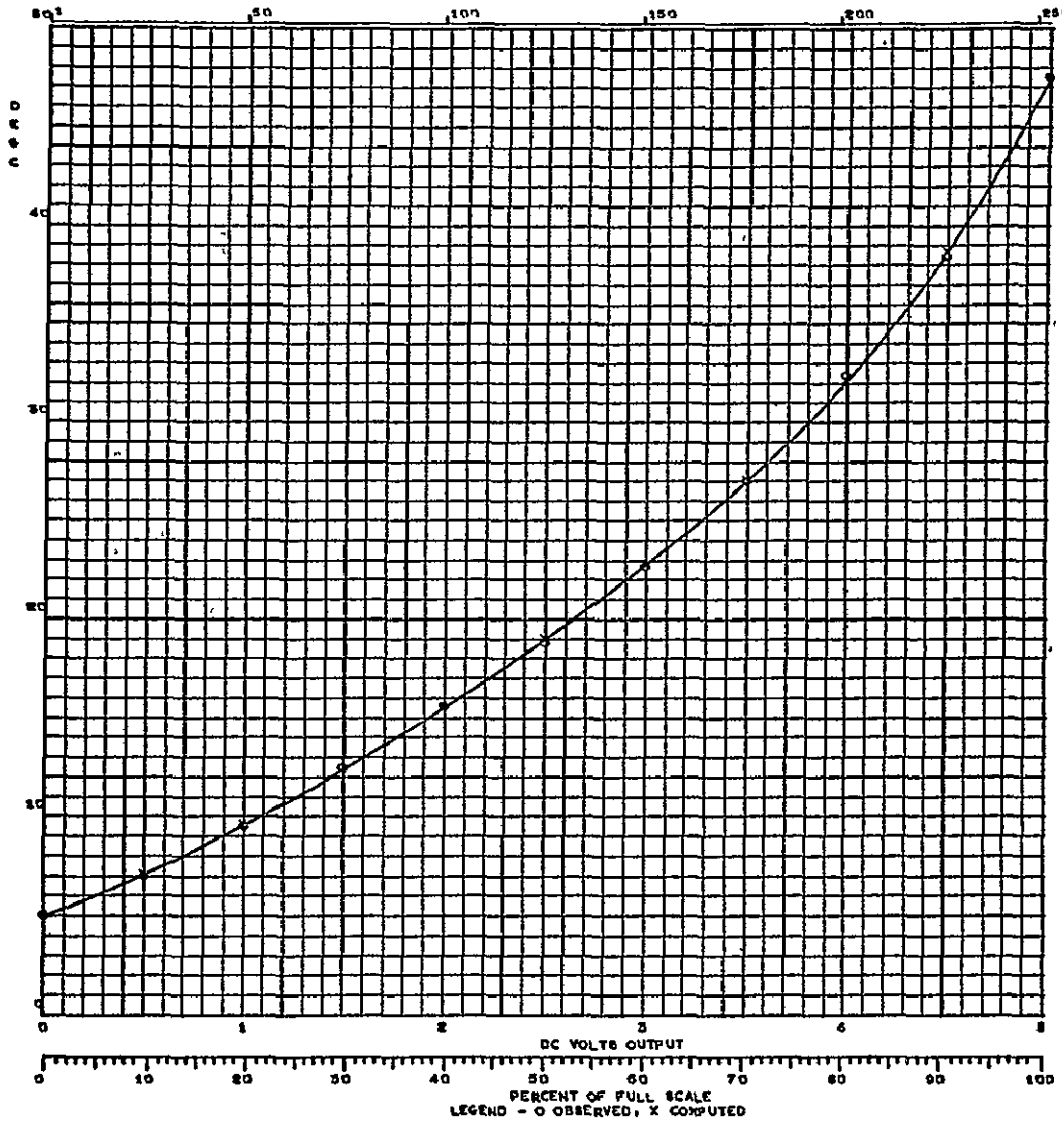
MEASUREMENT NO. 6000L115GT10
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	40.914	37	46.565	73	53.593	109	61.637	145	71.248	181	82.302	217	97.000
2	41.005	38	45 772	74	53.009	110	62.022	146	71 520	182	82.739	218	97.547
3	41 227	39	45.949	75	54.023	111	62.220	147	71.611	183	83.000	219	98.040
4	41.359	40	47.120	76	54.258	112	62.574	148	72.005	184	83.443	220	98.539
5	41.512	41	47.317	77	54.454	113	62.822	149	72.380	185	83.799	221	99.043
6	41.656	42	47.467	78	54.671	114	63.070	150	72.657	186	84.158	222	99 553
7	41.821	43	47.669	79	54.839	115	63.320	151	72.955	187	84.520	223	100.059
8	41.945	44	47.851	80	55.109	116	63.570	152	73.244	188	84.004	224	100.590
9	42.093	45	48 035	81	55 327	117	63.821	153	73 535	189	85.252	225	101.118
10	42 240	46	48.219	82	55.548	118	64.073	154	73.827	190	85.625	226	101.652
11	42.389	47	48.405	83	55.770	119	64.328	155	74.120	191	85.997	227	102.193
12	42.538	48	48.562	84	55.992	120	64.500	156	74.415	192	03.374	228	102 740
13	42.688	49	48.779	85	56.215	121	64.835	157	74.712	193	85 754	229	103.293
14	42.839	50	48.988	86	56.439	122	65.090	158	75.010	194	87.138	230	103.853
15	42.032	51	49.150	87	56.655	123	65.347	159	75.310	195	87.525	231	104.420
16	43 145	52	49.349	88	56 890	124	65 604	160	75.612	196	87.915	232	104.994
17	43.299	53	49.541	89	57.117	125	65.863	161	75.915	197	88.310	233	105.574
18	43 454	54	49 734	90	57.345	126	66.122	162	76.220	198	88.707	234	106.162
19	43 610	55	49 928	91	57.574	127	66.382	163	76.527	199	09 109	235	100.758
20	43 767	56	50.124	92	57.003	128	66.644	164	76.835	200	89 514	236	107.350
21	43.025	57	50.320	93	58.034	129	66.905	165	77.145	201	89.923	237	107.970
22	44.004	58	50.517	94	58.265	130	67.169	166	77.458	202	90.333	238	100.568
23	44.244	59	50.715	95	58.497	131	67.434	167	77.772	203	90.753	239	109 213
24	44.405	60	50.915	96	58.730	132	67.699	168	78.093	204	91.174	240	109.847
25	44.558	61	51.115	97	58.534	133	67.965	169	78.405	205	91.600	241	110.488
26	44.731	62	51.316	98	59.198	134	68.235	170	78.725	206	92.029	242	111.138
27	44.885	63	51.519	99	59.454	135	68.501	171	79.048	207	92.463	243	111.793
28	45.050	64	51.722	100	59.670	136	68.771	172	79.372	208	92.001	244	112.463
29	45.227	65	51.905	101	59.908	137	69.041	173	79.699	209	95.344	245	113.138
30	45.394	66	52 132	102	60.146	138	69.313	174	80.025	210	93.792	246	113.022
31	45.563	67	52.338	103	60.385	139	69.585	175	80.357	211	94.244	247	114.515
32	45.732	68	52 545	104	60.625	140	69.650	176	80.690	212	94.700	248	115.217
33	45.905	69	52.753	105	60.855	141	70.135	177	81.028	213	95.162	249	115.926
34	46.075	70	52.963	106	61.107	142	70 411	178	81.363	214	95 629	250	116.648
35	46.247	71	53.173	107	61.349	143	70.689	179	81.704	215	95.101	251	117.378
36	46.421	72	53.384	108	61.593	144	70.968	180	82.046	215	96.578		

03/07/72
8 INSTALLATION DATE NOV. 1:1971
TEMP METRIC LENS FRONT ELMT (DEGC)
CAL RANGE 5.00000 TO 47.5000

SC-113

HARDWARE CALIB. NO. SERIAL NO.
8



EQUATION COEFFICIENTS

A_0= 4.973 E 00
A_1= 9.601 E 00
A_2= 6.975 E-01
A_3= 1.355 E-01
A_4= -8.419 E-02
A_5= 1.383 E-02

AL DEV= 0
MX DEV / RANGE = .65027

0%= 4.973E 00
20%= 9.536E 00
40%= 1.353E 01
60%= 1.697E 01
80%= 2.274E 01
100%= 3.212E 01
100%= 4.743E 01

MEASUREMENT NO.
8008L1160T20

MEAS LOADING NO.
1089030 18

8 .175 Change 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP METRIC LENS FRONT ELMT (DEGC)

MEASUREMENT NO. 6000L116GT20
VEHICLE SC-11J-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

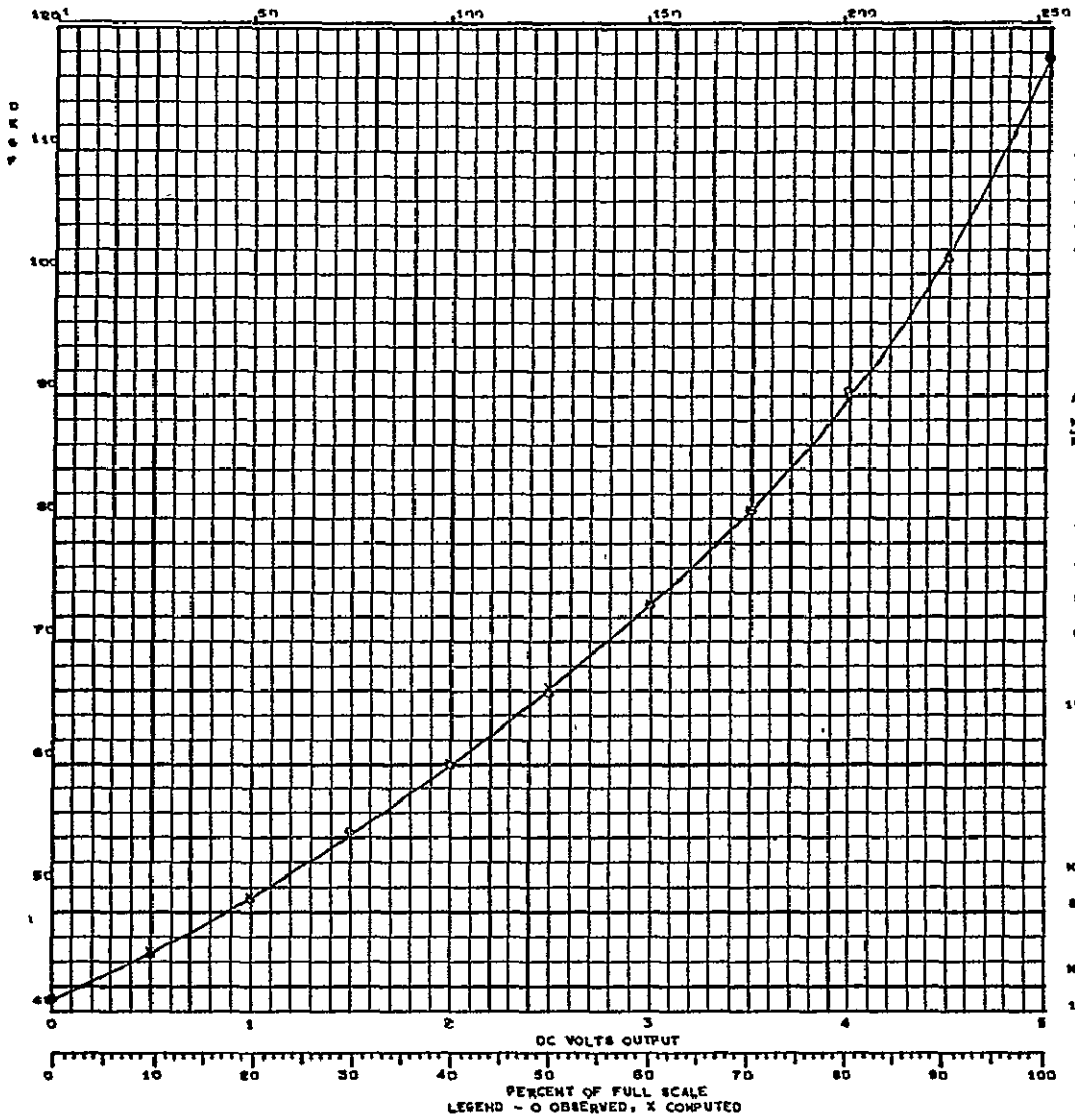
CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	4.973	37	8.102	73	12.019	109	16.599	145	21 795	181	27.949	217	36.002
2	5.019	38	8.201	74	12.138	110	16 735	146	21.951	182	28 142	218	36.354
3	5.126	39	8 300	75	12 257	111	16.871	147	22.107	183	28 336	219	36.659
4	5.204	40	8 399	76	12 377	112	17.007	148	22.254	184	28 531	220	36.016
5	5 282	41	8 500	77	12.497	113	17.144	149	22.421	185	28.728	221	37.197
6	5 350	42	8.601	78	12.618	114	17.282	150	22.579	186	28.927	222	37.481
7	5.439	43	8.702	79	12 740	115	17.420	151	22.738	187	29.127	223	37.769
8	5.519	44	8.801	80	12.862	116	17.558	152	22 897	188	29 329	224	38 050
9	5.600	45	8 907	81	12.984	117	17.697	153	23.058	189	29.533	225	38 354
10	5.681	46	9.011	82	13 107	118	17.836	154	23.219	190	29 738	226	38 652
11	5.762	47	9.115	83	13 230	119	17.976	155	23.381	191	29 946	227	38.953
12	5.844	48	9.219	84	13.354	120	18.116	156	23.544	192	30.155	228	39 258
13	5.927	49	9 324	85	13 478	121	18.257	157	23 707	193	30.365	229	39 567
14	6.011	50	9.430	85	13 603	122	18.398	158	23 872	194	30.576	230	39 879
15	6.095	51	9.535	87	13 729	123	18.540	159	24.037	195	30.793	231	40.196
16	6.179	52	9.643	88	13 854	124	18.682	160	24.204	196	31.010	232	40.516
17	6.264	53	9 751	89	13 980	125	18.825	161	24.371	197	31.228	233	40 840
18	6.350	54	9 859	90	14.107	126	18.968	162	24.539	198	31.449	234	41.168
19	6.437	55	9 968	91	14.234	127	19 112	163	24.709	199	31 672	235	41.500
20	6.524	56	10.077	92	14.362	128	19 256	164	24.879	200	31.897	236	41.836
21	6.612	57	10.187	93	14.490	129	19 401	165	25.050	201	32.124	237	42.177
22	6 700	58	10.297	94	14.618	130	19.545	166	25 222	202	32.353	238	42.522
23	6.789	59	10.408	95	14 747	131	19 692	167	25.396	203	32 585	239	42.871
24	6.879	60	10.520	96	14.876	132	19.839	168	25.570	204	32.819	240	43 225
25	6.969	61	10.632	97	15.008	133	19 986	169	25.746	205	33.055	241	43 583
26	7.060	62	10.744	98	15.137	134	20.133	170	25.923	206	33.294	242	43.946
27	7.152	63	10.856	99	15.267	135	20.281	171	26.101	207	33.535	243	44.314
28	7.244	64	10.971	100	15 398	136	20.430	172	26.280	208	33 779	244	44.686
29	7.337	65	11.086	101	15 530	137	20.579	173	26.460	209	34.025	245	45.064
30	7.430	66	11.200	102	15 662	138	20.729	174	26.641	210	34.274	246	45.446
31	7.524	67	11 315	103	15.795	139	20.880	175	26.824	211	34.525	247	45 833
32	7.619	68	11.432	104	15.928	140	21.031	176	27.008	212	34.779	248	46.225
33	7.714	69	11.548	105	16.061	141	21.183	177	27.194	213	35.036	249	46 623
34	7.810	70	11.665	106	16.195	142	21.335	178	27.381	214	35.296	250	47.025
35	7.907	71	11.782	107	16.329	143	21.488	179	27.569	215	35.559	251	47.433
36	8.004	72	11 900	108	16.464	144	21.642	180	27.758	216	35.824		

03/07/72
INSTALLATION DATE NOV. 1-1971
TEMP METRIC LENS BARREL (DEGF)
CAL RANGE 41.0000 TO 117.500

SC-113

HARDWARE CALIB. NO.

SERIAL NO.



EQUATION COEFFICIENTS

A_0= 4.094 E 01
A_1= 7.016 E 00
A_2= 9.588 E-01
A_3= 3.020 E-01
A_4= -1.768 E-01
A_5= 2.584 E-02

AL DEV= 0

MX DEV / RANGE = .62581

0%= 4.094E 01
20%= 4.916E 01
40%= 5.901E 01
50%= 6.612E 01
60%= 7.295E 01
80%= 8.902E 01
100%= 1.174E 02

MEASUREMENT NO.

SDOSL1101T10

MEAS LOADING NO.

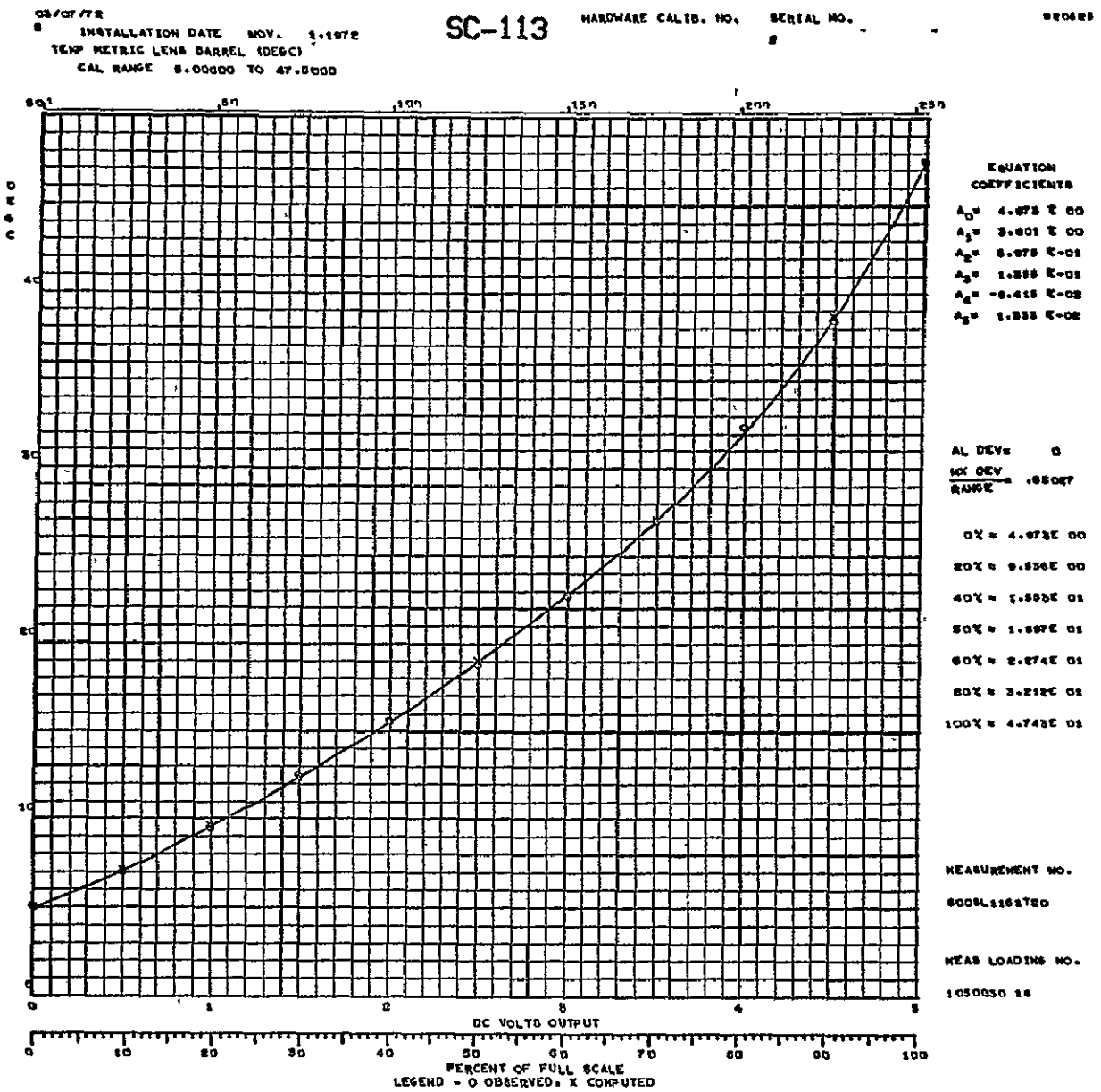
1050030 18

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP METRIC LENS BARREL (DEGF)

MEASUREMENT NO. 0000L11S1T10
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	40 944	37	46 596	73	53.535	109	61 657	145	71 248	181	82.392	217	97.050
2	41 035	38	46 772	74	53 809	110	62.022	146	71 529	182	82 739	218	97 547
3	41.227	39	46.949	75	54 003	111	62.223	147	71.811	183	83.090	219	98 040
4	41.339	40	47.120	76	54.239	112	62.574	148	72.065	184	83.443	220	98.539
5	41.512	41	47.317	77	54.454	113	62 822	149	72 300	185	83.799	221	99.045
6	41.656	42	47.487	78	54 671	114	63 070	150	72 637	186	84.150	222	99 553
7	41.801	43	47 630	79	54.089	115	63 320	151	72.955	187	84.520	223	100.059
8	41.035	44	47.851	80	55 103	116	63 570	152	73 214	188	84.604	224	100 590
9	42.005	45	48.035	81	55 327	117	63-821	153	73 535	189	85 252	225	101.118
10	42 210	46	48 219	82	55.548	118	64.073	154	73.827	190	85 623	226	101.652
11	42 389	47	48 405	83	55.770	119	64.323	155	74.120	191	85.997	227	102.183
12	42 538	48	48 502	84	55.992	120	64.580	156	74.415	192	86.374	228	102.740
13	42.668	49	48.779	85	56.215	121	64.835	157	74.712	193	86.754	229	103.293
14	42.839	50	48.958	86	56 439	122	65.090	158	75.010	194	87.138	230	103.853
15	42 032	51	49 158	87	56 605	123	65.347	159	75 310	195	87.525	231	104.420
16	43.145	52	49 349	88	56.830	124	65.604	160	75 612	196	87.915	232	104.994
17	43 299	53	49 541	89	57.157	125	65.863	161	75.915	197	88.310	233	105.574
18	43.454	54	49 734	90	57.345	126	66.122	162	76.220	198	88 707	234	105.162
19	43.610	55	49 930	91	57 574	127	66 382	163	76.527	199	89 109	235	105.756
20	43.767	56	50 124	92	57 805	128	66 644	164	76 836	200	89 514	236	107 360
21	43 925	57	50 320	93	58.034	129	66 906	165	77.145	201	89 923	237	107.970
22	44 004	58	50 517	94	58.255	130	67.150	166	77.458	202	90.336	238	108.588
23	44.244	59	50 715	95	58.487	131	67.434	167	77.772	203	90.753	239	109 215
24	44.405	60	50 915	96	58.730	132	67.699	168	78 009	204	91.174	240	109 847
25	44.558	61	51.115	97	58.934	133	67.955	169	78.405	205	91.600	241	110 488
26	44.731	62	51 315	98	59 108	134	68.233	170	78 725	206	92 029	242	111.136
27	44.095	63	51 519	99	59.434	135	68 501	171	79.048	207	92.463	243	111.795
28	45.080	64	51.722	100	59 670	136	68.771	172	79 372	208	92.901	244	112.453
29	45.227	65	51.925	101	59 908	137	69 041	173	79.698	209	93.344	245	113.138
30	45.394	66	52.132	102	60.146	138	69 313	174	80 025	210	93 792	246	113.822
31	45.563	67	52 338	103	60.385	139	69 585	175	80 357	211	94.244	247	114.515
32	45 732	68	52 545	104	60.625	140	69.850	176	80 690	212	94 700	248	115 217
33	45.903	69	52 753	105	60.865	141	70.135	177	81.025	213	95.162	249	115.928
34	46.075	70	52.963	106	61.107	142	70.411	178	81.363	214	95 629	250	116.648
35	46 247	71	53 173	107	61.349	143	70 689	179	81 704	215	96.101	251	117.378
36	46.421	72	53.384	108	61.593	144	70.968	180	82 046	216	96.578		


INSTALLATION DATE NOV. 1972
TEMP METRIC LENS BARREL (DEGC)
CAL RANGE 8.00000 TO 47.0000
HARDWARE CALIB. NO.
SERIAL NO.
DEGC
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
AL DEV= 0
MX DEV / RANGE = .05DEG
0% = 4.973E 00
20% = 9.836E 00
40% = 1.585E 01
50% = 1.887E 01
60% = 2.274E 01
80% = 3.212E 01
100% = 4.743E 01
MEASUREMENT NO.
MEAS LOADING NO.

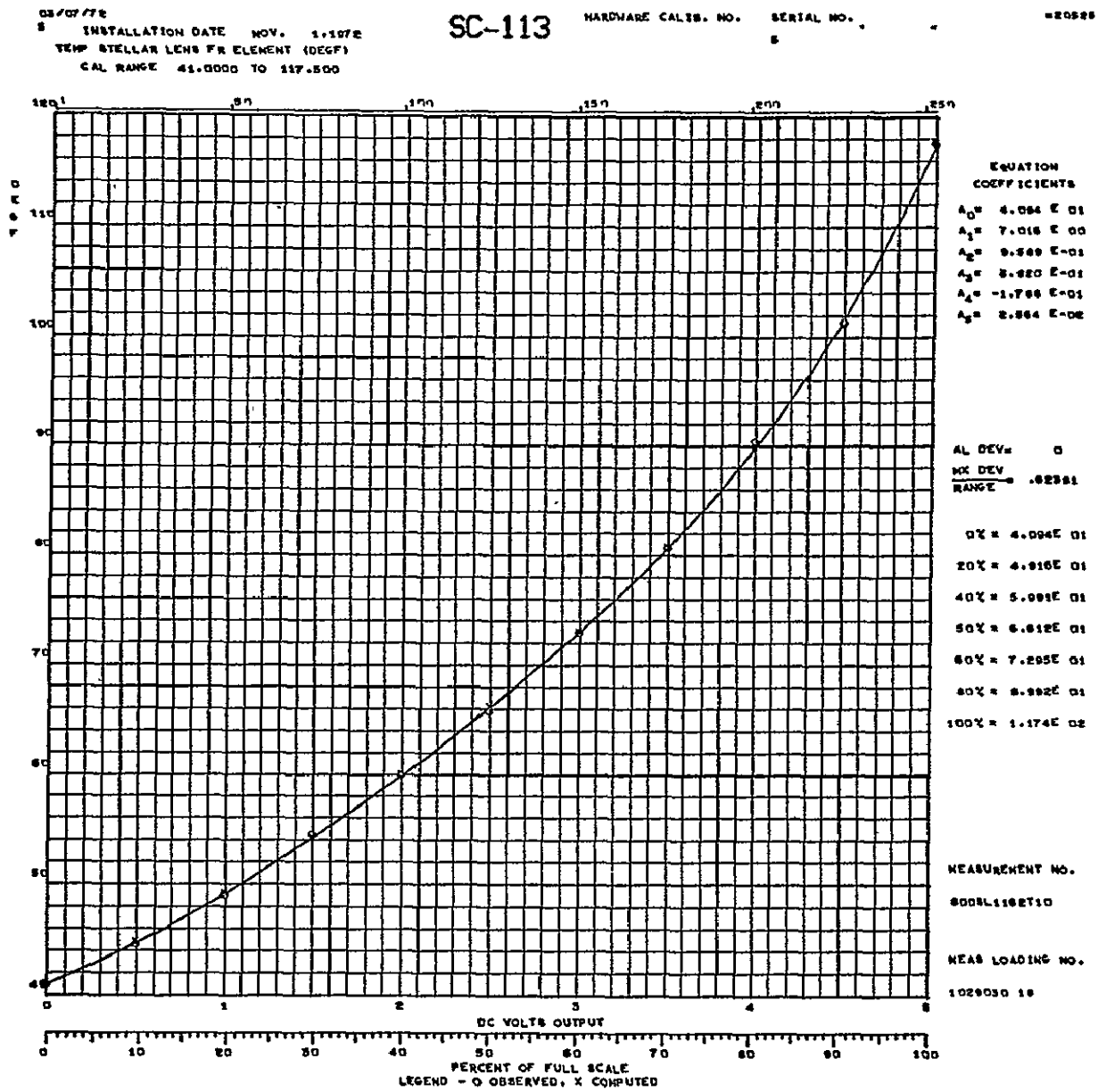
**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP METRIC LENS BARREL (DEGC)

MEASUREMENT NO. 0005L1161120
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/72

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	4.973	37	8 102	73	12.019	109	15 599	145	21 765	181	27 949	217	36.092
2	5.019	38	8 201	74	12 138	110	15 735	146	21.051	182	28 142	218	36 354
3	5.103	39	8.300	75	12.257	111	16.671	147	22.107	183	28.333	219	36.639
4	5 204	40	8 399	76	12.377	112	17.007	148	22 254	184	28 531	220	36.910
5	5.262	41	8.500	77	12 497	113	17.144	149	22 421	185	28 728	221	37.107
6	5.350	42	8.601	78	12.618	114	17.202	150	22 579	186	28.927	222	37 481
7	5.439	43	8 702	79	12.740	115	17.420	151	22 738	187	29 127	223	37.769
8	5.519	44	8 804	80	12 862	116	17 558	152	22.897	188	29.329	224	38 090
9	5.600	45	8 907	81	12 984	117	17 697	153	23.058	189	29.533	225	38 354
10	5 681	46	9 011	82	13 107	118	17.835	154	23 219	190	29.738	226	38 652
11	5.762	47	9.115	83	13 230	119	17.976	155	23 381	191	29 946	227	38.963
12	5.844	48	9 219	84	13.354	120	18.116	156	23 544	192	30 155	228	39 258
13	5.927	49	9 324	85	13.478	121	18 257	157	23.707	193	30 365	229	39 567
14	6 011	50	9.430	86	13.603	122	18.398	158	23.872	194	30.576	230	39.879
15	6 095	51	9 536	87	13 729	123	18.540	159	24.037	195	30.793	231	40.195
16	6.179	52	9.643	88	13 854	124	18.682	160	24.204	196	31.010	232	40.516
17	6 264	53	9 751	89	13 980	125	18.825	161	24 371	197	31.228	233	40.840
18	6.350	54	9.859	90	14.107	126	18.958	162	24 539	198	31.449	234	41.168
19	6.437	55	9 958	91	14.234	127	19 112	163	24.709	199	31 672	235	41 500
20	6.524	56	10.077	92	14.362	128	19 256	164	24.879	200	31.897	236	41.836
21	6 612	57	10.187	93	14.490	129	19 401	165	25.050	201	32.124	237	42.177
22	6 700	58	10.297	94	14.618	130	19.546	166	25 222	202	32 353	238	42 522
23	6.789	59	10.408	95	14.747	131	19 692	167	25 396	203	32 585	239	42.871
24	6.879	60	10 520	96	14.876	132	19 839	168	25 570	204	32.819	240	43.225
25	6.969	61	10 632	97	15.005	133	19 985	169	25.745	205	33.055	241	43 583
26	7.060	62	10 744	98	15.137	134	20 133	170	25.923	206	33 294	242	43.948
27	7.152	63	10 858	99	15.267	135	20.281	171	26.101	207	33.535	243	44 314
28	7.244	64	10.971	100	15 398	136	20 430	172	26 280	208	33.779	244	44 685
29	7.337	65	11.085	101	15 530	137	20 579	173	26 460	209	34.025	245	45 054
30	7.430	66	11.200	102	15 662	138	20 729	174	26.641	210	34 274	246	45.448
31	7.524	67	11 316	103	15.795	139	20.880	175	26.824	211	34 525	247	45.835
32	7.619	68	11 432	104	15 928	140	21.031	176	27.008	212	34.779	248	46.225
33	7.714	69	11.548	105	16.061	141	21.183	177	27.194	213	35.036	249	46 623
34	7.810	70	11 665	106	16.196	142	21 335	178	27 381	214	35 296	250	47.025
35	7.907	71	11.782	107	16.329	143	21 488	179	27.569	215	35.559	251	47.433
36	8.004	72	11 900	108	16.464	144	21 642	180	27.758	216	35.824		

8 180 Change_2

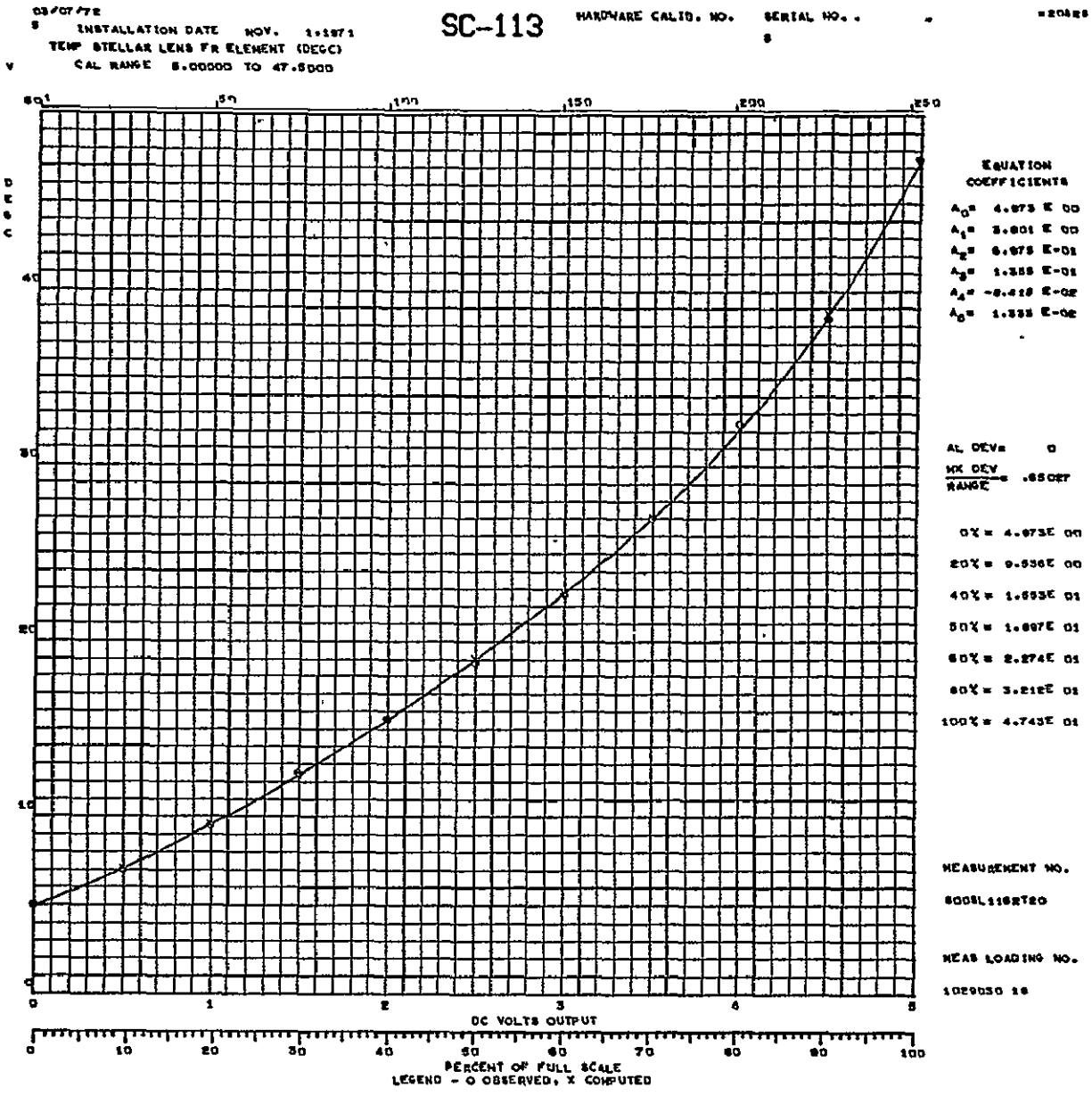

SC-113
INSTALLATION DATE NOV. 1.197E
TEMP STELLAR LENS FR ELEMENT (DEGF)
CAL RANGE 41.0000 TO 117.500
HARDWARE CALIB. NO.
SERIAL NO.
DEGF
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
A0= 4.094 E 01
A1= 7.016 E 00
A2= 9.569 E-01
A3= 8.820 E-01
A4= -1.786 E-01
A5= 2.564 E-02
AL DEV= 0
MX DEV / RANGE= .02381
0% = 4.094E 01
20% = 4.916E 01
40% = 5.991E 01
50% = 6.612E 01
60% = 7.295E 01
80% = 8.992E 01
100% = 1.174E 02
MEASUREMENT NO.
MEAS LOADING NO.

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP STELLAR LENS FR ELEMENT (DEGF)

MEASUREMENT NO. 0000L1152T10
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO
CALIBRATION DATE 11/01/72

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	40.944	37	46.595	73	53.595	109	61.637	145	71 248	181	82.392	217	97.050
2	41.065	38	46.772	74	53.809	110	62.032	146	71.529	182	82.759	218	97.547
3	41.227	39	46.949	75	54.023	111	62 328	147	71.811	183	83 090	219	98.040
4	41.359	40	47.120	76	54.238	112	62.574	148	72.035	184	83.443	220	98.539
5	41.512	41	47.307	77	54.454	113	62.822	149	72.380	185	83.799	221	99.043
6	41.656	42	47.487	78	54.671	114	63 070	150	72 667	186	84.158	222	99 553
7	41.801	43	47.669	79	54.889	115	63 320	151	72.955	187	84.520	223	100.069
8	41.945	44	47.851	80	55.108	116	63.570	152	73.244	188	84.884	224	100 590
9	42 090	45	48.035	81	55 327	117	63.821	153	73 535	189	85.252	225	101.116
10	42 240	46	48.219	82	55 548	118	64 073	154	73 827	190	85.623	226	101.652
11	42.389	47	48.405	83	55.770	119	64.326	155	74 120	191	85.997	227	102.193
12	42.538	48	48.592	84	55.992	120	64.580	156	74 415	192	86.374	228	102.740
13	42.688	49	48 779	85	56.215	121	64.835	157	74.712	193	86.754	229	103.293
14	42 839	50	48.968	86	56.439	122	65.090	158	75.010	194	87.138	230	103.853
15	42 992	51	49.158	87	56.665	123	65 347	159	75.310	195	87.525	231	104.420
16	43.145	52	49.349	88	56.890	124	65 604	160	75.612	196	87.915	232	104.994
17	43 299	53	49 541	89	57.117	125	65.863	161	75.915	197	88.310	233	105.574
18	43 454	54	49 734	90	57.345	126	66.122	162	76.220	198	88.707	234	103.162
19	43.610	55	49.928	91	57.574	127	66.382	163	76 527	199	89.109	235	105.758
20	43.767	56	50 124	92	57.803	128	66 644	164	76.835	200	89.514	236	107.360
21	43.925	57	50 320	93	58.034	129	66.905	165	77.145	201	89 925	237	107.970
22	44.084	58	50.517	94	58.265	130	67.169	166	77.458	202	90.338	238	108.588
23	44.244	59	50.715	95	58.497	131	67.434	167	77.772	203	90.755	239	109 213
24	44.405	60	50 915	96	58.730	132	67.699	168	78.088	204	91.174	240	109 847
25	44 568	61	51.115	97	58.964	133	67.965	169	78.405	205	91.600	241	110.488
26	44.731	62	51.316	98	59.198	134	68.233	170	78 725	206	92.029	242	111.136
27	44.895	63	51.519	99	59.434	135	68 501	171	79 048	207	92.463	243	111.795
28	45.060	64	51 722	100	59.670	136	68.771	172	79 372	208	92.901	244	112.463
29	45.227	65	51.926	101	59.908	137	69.041	173	79 698	209	93 344	245	113.138
30	45.394	66	52.132	102	60.146	138	69.313	174	80 026	210	93 792	246	113.822
31	45.563	67	52 338	103	60.385	139	69.585	175	80 357	211	94 244	247	114.515
32	45.732	68	52.545	104	60.625	140	69 860	176	80.690	212	94 700	248	115.217
33	45.903	69	52.753	105	60.865	141	70.135	177	81.025	213	95.162	249	115.928
34	46.075	70	52.963	106	61.107	142	70.411	178	81.363	214	95 629	250	116 648
35	46.247	71	53.175	107	61 349	143	70 689	179	81.704	215	96.101	251	117.378
36	46.421	72	53.384	108	61.593	144	70.968	180	82 046	216	96.578		


SC-113
INSTALLATION DATE NOV. 1-1971
TEMP STELLAR LENS FR ELEMENT (DEGC)
CAL RANGE 5.00000 TO 47.5000
DEGC
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
AL DEV= 0
0% = 4.973E 00
20% = 9.536E 00
40% = 1.693E 01
60% = 2.274E 01
80% = 3.212E 01
100% = 4.743E 01
MEASUREMENT NO.
MEAS LOADING NO.

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP STELLAR LENS FR ELEMENT (DEGC)

MEASUREMENT NO. 800541172120
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	4.973	37	8.102	73	12.019	109	16 599	145	21.795	181	27.949	217	36.032
2	5 059	38	8 201	74	12.138	110	16.735	146	21.951	182	28.142	218	36.384
3	5.125	39	8.300	75	12 257	111	16.871	147	22 107	183	28 335	219	36.639
4	5.204	40	8.399	76	12 377	112	17.007	148	22 264	184	28 531	220	36.916
5	5.282	41	8.500	77	12 497	113	17 144	149	22.421	185	28.728	221	37.197
6	5.350	42	8.601	78	12 618	114	17.282	150	22 579	186	28.927	222	37.481
7	5.439	43	8.702	79	12 740	115	17.420	151	22.738	187	29.127	223	37 769
8	5 519	44	8.804	80	12.862	116	17.558	152	22 697	188	29 329	224	38.060
9	5.600	45	8.907	81	12.984	117	17.697	153	23 058	189	29 533	225	38 354
10	5.681	46	9.011	82	13.107	118	17.836	154	23 219	190	29 738	226	38 652
11	5.762	47	9.115	83	13 230	119	17.976	155	23.381	191	29.945	227	38 953
12	5.844	48	9.219	84	13 354	120	18 116	156	23.544	192	30 155	228	39.258
13	5.927	49	9 324	85	13 478	121	18 257	157	23.707	193	30.365	229	39.567
14	6.011	50	9 430	86	13 603	122	18.398	158	23.872	194	30 578	230	39 879
15	6 096	51	9.536	87	13 729	123	18.540	159	24.037	195	30.793	231	40.195
16	6.179	52	9 643	88	13.854	124	18.682	160	24 204	196	31.010	232	40 516
17	6.264	53	9.751	89	13.980	125	18 825	161	24 371	197	31.220	233	40.840
18	6.350	54	9.859	90	14.107	126	18.968	162	24.539	198	31.449	234	41.168
19	6.437	55	9 968	91	14.234	127	19.112	163	24 709	199	31.672	235	41.500
20	6.524	56	10.077	92	14.362	128	19 256	164	24 879	200	31.897	236	41.836
21	6.612	57	10 187	93	14 490	129	19 401	165	25.050	201	32.124	237	42 177
22	6.700	58	10 297	94	14 618	130	19 546	166	25.222	202	32 353	238	42.522
23	6 789	59	10.408	95	14 747	131	19 692	167	25.395	203	32 585	239	42.871
24	6.879	60	10.520	96	14.876	132	19.839	168	25.570	204	32.819	240	43 225
25	6.969	61	10.632	97	15.006	133	19.985	169	25.746	205	33.055	241	43.583
26	7.060	62	10.744	98	15.137	134	20 133	170	25 923	206	33.294	242	43.946
27	7.152	63	10 858	99	15.267	135	20 281	171	26 101	207	33 535	243	44.314
28	7.244	64	10 971	100	15 398	136	20 430	172	26 280	208	33.779	244	44.685
29	7.337	65	11.085	101	15 530	137	20.579	173	26.460	209	34 025	245	45.054
30	7.430	66	11 200	102	15 662	138	20 729	174	26 641	210	34 274	246	45.445
31	7.524	67	11 316	103	15.795	139	20 880	175	26.824	211	34 525	247	45.835
32	7.619	68	11.432	104	15.928	140	21.031	176	27.008	212	34.779	248	46.225
33	7.714	69	11.548	105	16.061	141	21.183	177	27.193	213	35.035	249	46 623
34	7.810	70	11 665	106	16.195	142	21.335	178	27.381	214	35.293	250	47.025
35	7.907	71	11.782	107	16 329	143	21 488	179	27 569	215	35.553	251	47.433
36	8.004	72	11.900	108	15 464	144	21 642	180	27 758	216	35.824		

03/07/72

INSTALLATION DATE NOV. 1:1972

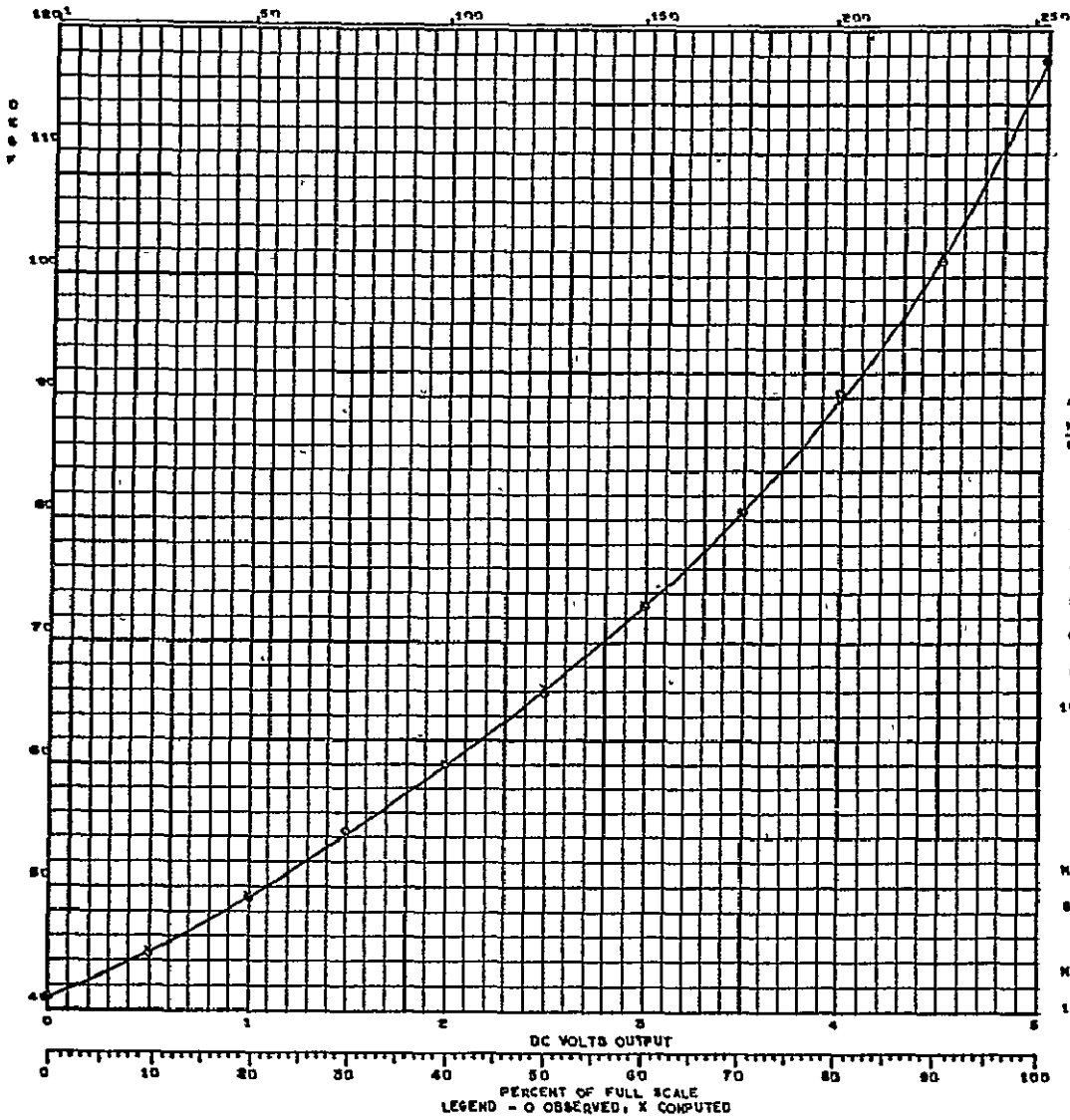
TEMP STELLAR LENS BAR (DEGF)

CAL RANGE 41.0000 TO 117.800

SC-113

HARDWARE CALIB. NO. SERIAL NO.

#20828



EQUATION COEFFICIENTS

A_0= 4.094 E 01

A_1= 7.016 E 00

A_2= 8.888 E-01

A_3= 3.820 E-01

A_4= -1.788 E-01

A_5= 2.884 E-02

AL DEV= 0

$\frac{\text{MX DEV}}{\text{RANGE}}$ = .02381

0% = 4.094E 01

20% = 4.818E 01

40% = 5.901E 01

50% = 6.812E 01

60% = 7.293E 01

80% = 8.998E 01

100% = 1.174E 02

MEASUREMENT NO.

8008L1163T10

MEAS LOADING NO.

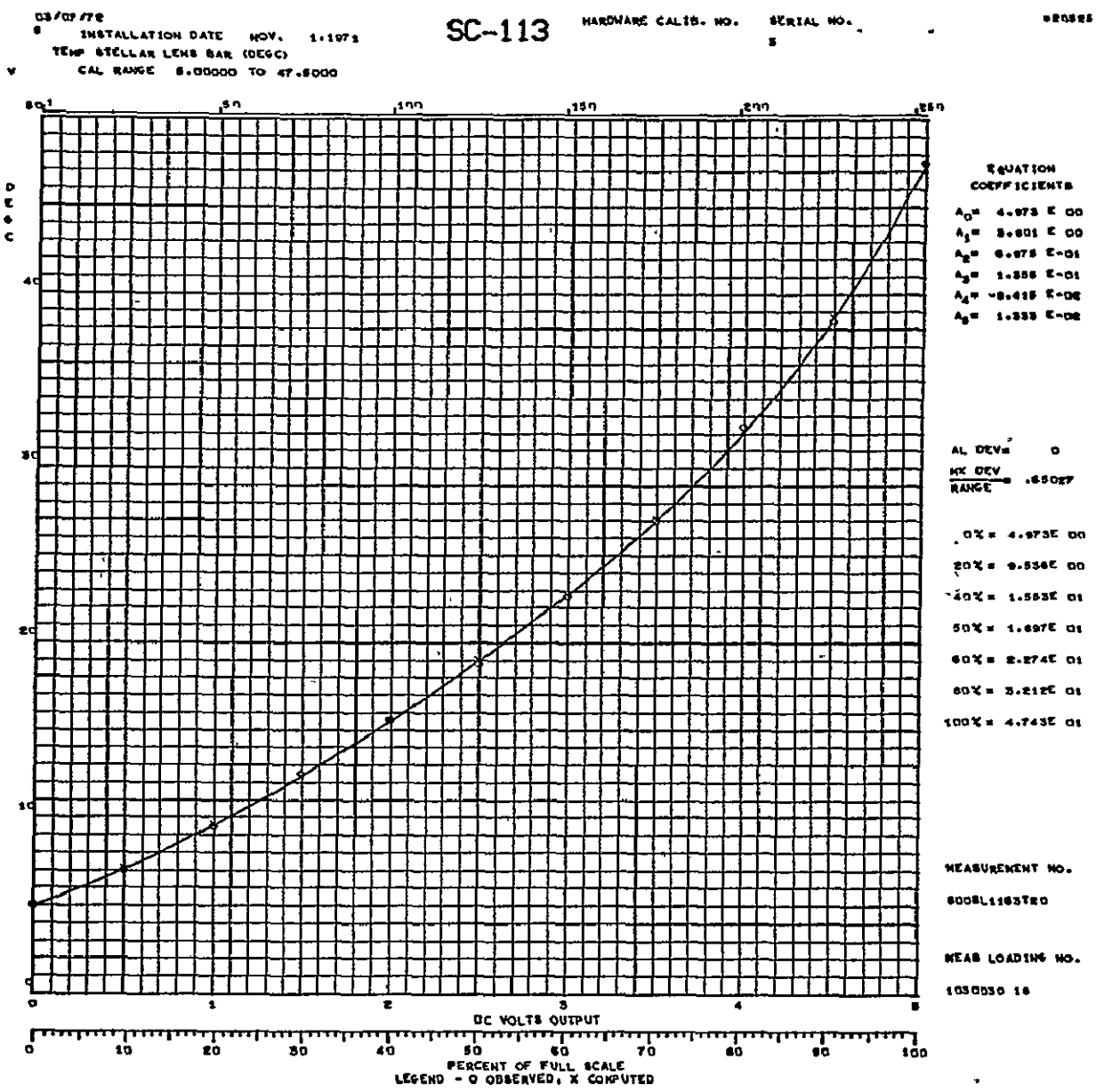
1030030 18

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP STELLAR LENS BAF (DEGF)

MEASUREMENT NO. 6OOSL1103T10
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 5
SIGNAL CONDITIONER SERIAL NO
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 11/01/72

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	40 944	37	46 555	73	55 585	109	61.637	145	71 248	181	82.392	217	97.050
2	41 005	38	46.772	74	55.809	110	62.032	146	71 529	182	82.759	218	97.547
3	41.227	39	46.949	75	54.023	111	62.328	147	71.611	183	83.090	219	98.040
4	41.359	40	47.128	76	54.258	112	62.574	148	72 055	184	83.443	220	98.539
5	41 512	41	47.307	77	54.454	113	62.822	149	72 300	185	83.799	221	99.043
6	41.656	42	47.487	78	54.671	114	63.070	150	72 557	185	84.158	222	99.553
7	41.801	43	47.659	79	54.889	115	63.320	151	72.855	187	84.520	223	100.059
8	41.946	44	47.851	80	55.108	116	63.570	152	73 244	188	84.884	224	100.590
9	42.093	45	48.035	81	55.327	117	63.821	153	73 535	189	85.252	225	101.118
10	42.240	46	48.219	82	55.548	118	64.073	154	73.827	190	85.623	226	101 652
11	42 389	47	48.405	83	55.770	119	64.326	155	74.120	191	85.997	227	102.193
12	42 538	48	48.592	84	55.992	120	64.580	156	74.415	192	86.374	228	102.740
13	42.688	49	48 779	85	56 215	121	64 835	157	74.712	193	86.754	229	103.293
14	42 839	50	48.968	86	56.439	122	65.090	158	75.010	194	87.138	230	103 853
15	42 992	51	49.158	87	56.665	123	65.347	159	75.310	195	87.525	231	104.420
16	43.145	52	49 349	88	56 890	124	65 604	160	75 612	196	87.915	232	104.994
17	43.299	53	49 541	89	57.117	125	65 863	161	75.915	197	88.310	233	105.574
18	43.454	54	49 734	90	57 345	126	66 122	162	76.220	198	88 707	234	106.162
19	43.610	55	49 928	91	57.574	127	66.382	163	76.527	199	89 109	235	106.758
20	43 767	56	50 124	92	57.805	128	66 644	164	76.835	200	89 514	236	107.360
21	43.925	57	50.320	93	58.034	129	66 905	165	77.145	201	89.923	237	107.970
22	44 084	58	50 517	94	58.265	130	67.169	166	77.458	202	90.335	238	108 588
23	44.244	59	50.715	95	58.497	131	67.434	167	77.772	203	90.753	239	109.215
24	44 405	60	50.915	96	58.730	132	67.699	168	78.088	204	91.174	240	109 847
25	44 568	61	51.115	97	58.964	133	67 965	169	78 406	205	91 600	241	110 488
26	44.731	62	51 316	98	59.199	134	68.233	170	78 725	206	92.029	242	111 138
27	44.895	63	51.519	99	59.434	135	68 501	171	79.048	207	92.463	243	111 798
28	45.060	64	51.722	100	59.670	136	68.771	172	79 372	208	92.901	244	112 465
29	45.227	65	51.926	101	59.908	137	69 041	173	79 698	209	93.344	245	113.138
30	45.394	66	52.132	102	60.145	138	69 313	174	80 026	210	93.792	246	113.822
31	45.563	67	52.338	103	60.385	139	69 585	175	80.357	211	94.244	247	114 515
32	45.732	68	52.545	104	60.625	140	69.860	176	80 690	212	94.700	248	115.217
33	45.903	69	52.753	105	60.865	141	70.135	177	81.025	213	95.162	249	115.928
34	46 075	70	52 963	106	61 107	142	70 411	178	81.363	214	95.629	250	116 648
35	46 247	71	53 173	107	61 349	143	70.689	179	81.704	215	96.101	251	117.378
36	46.421	72	53.384	108	61.593	144	70.968	180	82.046	216	96 578		

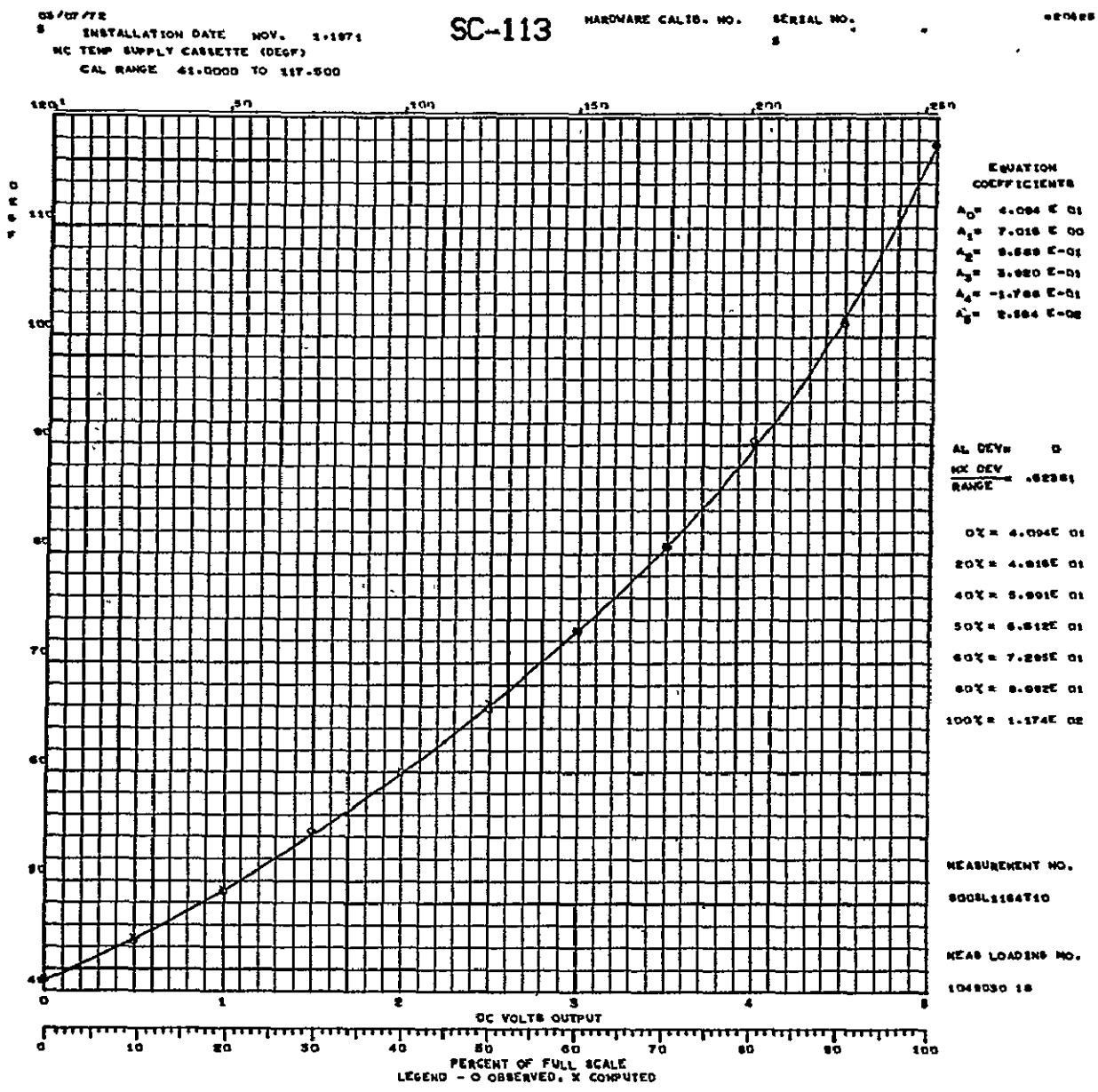

SC-113
INSTALLATION DATE NOV. 1-1973
TEMP STELLAR LENS BAR (DEGC)
CAL RANGE 8.00000 TO 47.5000
HARDWARE CALIB. NO.
SERIAL NO.
DEGC
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
EQUATION COEFFICIENTS
A0= 4.973 E 00
A1= 9.901 E 00
A2= 6.975 E-01
A3= 1.356 E-01
A4= -8.415 E-03
A5= 1.333 E-03
AL DEV= 0
MX DEV / RANGE= .65027
0% = 4.973E 00
20% = 9.536E 00
40% = 1.553E 01
50% = 1.697E 01
60% = 2.274E 01
80% = 3.212E 01
100% = 4.743E 01
MEASUREMENT NO.
MEAS LOADING NO.

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

TEMP STELLAR LENS BAR (DEGC)

MEASUREMENT NO. 0005L1163T2D
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	4.973	37	8.102	73	12.019	109	15 590	145	21.796	181	27.949	217	35.002
2	5 019	38	8 201	74	12.138	110	16 735	146	21.051	182	28.142	218	36.364
3	5.125	39	8 300	75	12.257	111	15.671	147	22 107	183	28.338	219	39.650
4	5 204	40	8 399	76	12.377	112	17.007	148	22.254	184	28 531	220	36.016
5	5.282	41	8 500	77	12 497	113	17.144	149	22 421	185	28 720	221	37.197
6	5.350	42	8.601	78	12 618	114	17.282	150	22 579	186	28 927	222	37.481
7	5.439	43	8 702	79	12 740	115	17.420	151	22.738	187	29 127	223	37.769
8	5.519	44	8.801	80	12 862	116	17.558	152	22 897	188	29 329	224	38 050
9	5 600	45	8.907	81	12.984	117	17.697	153	23.058	189	29 533	225	38 354
10	5 681	46	9.011	82	13.107	118	17 838	154	23.219	190	29.738	226	38.652
11	5.762	47	9 115	83	13 230	119	17.976	155	23.381	191	29.948	227	38 953
12	5.044	48	9 219	84	13.354	120	18.116	156	23.544	192	30.155	228	39 256
13	5.927	49	9 324	85	13.478	121	18.257	157	23 707	193	30.365	229	39 567
14	6.011	50	9 430	86	13.603	122	18.398	158	23.872	194	30.576	230	39 879
15	6.095	51	9 535	87	13 729	123	18.540	159	24.037	195	30.789	231	40.195
16	6 179	52	9.643	88	13 854	124	18.682	160	24 204	196	31 010	232	40.516
17	6.264	53	9.751	89	13 980	125	18.825	161	24 371	197	31.228	233	40.840
18	6.350	54	9.859	90	14.107	126	18 968	162	24.539	198	31.449	234	41.158
19	6 437	55	9 968	91	14.234	127	19.112	163	24.709	199	31 672	235	41.500
20	6.524	56	10 077	92	14.362	128	19.256	164	24.879	200	31 897	236	41.836
21	6.612	57	10.187	93	14.490	129	19 401	165	25.050	201	32.124	237	42.177
22	6.700	58	10 297	94	14.618	130	19.546	166	25.222	202	32.353	238	42 522
23	6.789	59	10.408	95	14.747	131	19 692	167	25.395	203	32.585	239	42 871
24	6 879	60	10.520	96	14.876	132	19.839	168	25 570	204	32 819	240	43.225
25	6.969	61	10.632	97	15 006	133	19.986	169	25.746	205	33.055	241	43.563
26	7.060	62	10.744	98	15.137	134	20.133	170	25.923	206	33 294	242	43.946
27	7.152	63	10.858	99	15.267	135	20 281	171	26.101	207	33 535	243	44.314
28	7.244	64	10.971	100	15.398	136	20.430	172	26.280	208	33 779	244	44.686
29	7.337	65	11.086	101	15.530	137	20.579	173	26.460	209	34.025	245	45.054
30	7.430	66	11 200	102	15.662	138	20.729	174	26.641	210	34 274	246	45 446
31	7.524	67	11 316	103	15 795	139	20 880	175	26 824	211	34.525	247	45.833
32	7.619	68	11.432	104	15.928	140	21.031	176	27.008	212	34.779	248	46.225
33	7.714	69	11.548	105	16 061	141	21.183	177	27.194	213	35.036	249	46.623
34	7.810	70	11.665	106	16.195	142	21 336	178	27.381	214	35.296	250	47.025
35	7.907	71	11.782	107	16.329	143	21.488	179	27.569	215	35.559	251	47.433
36	8.004	72	11 900	108	16.464	144	21 642	180	27.758	216	35 824		

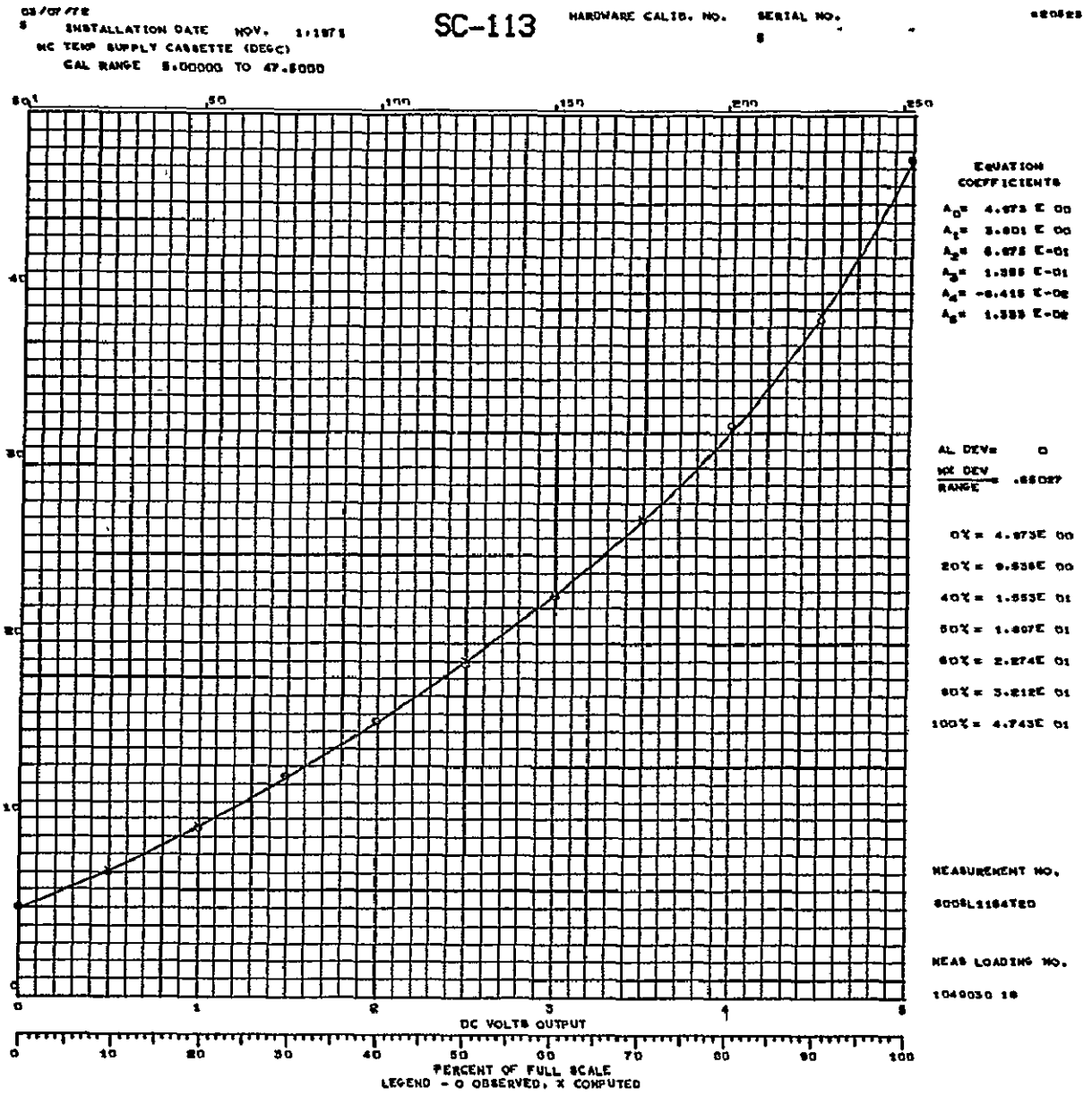

05/07/72
INSTALLATION DATE NOV. 1-1971
MC TEMP SUPPLY CASSETTE (DEGF)
CAL RANGE 41.0000 TO 117.500
SC-113
HARDWARE CALIB. NO.
SERIAL NO.
EQUATION COEFFICIENTS
A_0= 4.094 E 01
A_1= 7.016 E 00
A_2= 5.688 E-01
A_3= 3.980 E-01
A_4= -1.788 E-01
A_5= 2.584 E-02
AL DEV= 0
MX DEV / RANGE= .62381
0%= 4.094E 01
20%= 4.816E 01
40%= 5.901E 01
50%= 6.812E 01
60%= 7.295E 01
80%= 8.892E 01
100%= 1.174E 02
MEASUREMENT NO.
9005L1164T10
MEAS LOADING NO.
1049030 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS

NC TEMP SUPPLY CASSETTE (DEGF)

MEASUREMENT NO 0005L1164T10
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO 5
SIGNAL CONDITIONER SERIAL NO
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF	CNT	DEGF
1	40 944	37	46 595	73	53 959	109	61.627	145	71 218	181	82.502	217	97.050
2	41.005	38	45 772	74	53 C09	110	62.002	146	71.529	182	82.739	218	97.547
3	41 227	39	46.949	75	54.025	111	62 328	147	71.811	183	83.000	219	98 040
4	41.359	40	47.120	76	54.257	112	62.574	148	72 005	184	83.443	220	98 539
5	41.512	41	47.307	77	54.454	113	62.822	149	72.300	185	83.799	221	99.043
6	41.656	42	47.487	78	54 671	114	63.070	150	72 657	186	84.158	222	99 553
7	41.801	43	47 659	79	54.889	115	63 320	151	72.955	187	84 520	223	100.059
8	41.946	44	47.851	80	55.108	116	63.570	152	73 214	188	84.884	224	100 590
9	42.095	45	48.035	81	55.327	117	63.821	153	73.535	189	85.252	225	101.110
10	42.240	46	48.219	82	55 548	118	64.073	154	73 027	190	85 623	226	101 652
11	42.389	47	48 405	83	55 770	119	64.326	155	74.120	191	85.997	227	102.193
12	42.530	48	48 592	84	55.992	120	64.580	156	74.415	192	86.374	228	102.740
13	42.683	49	48.779	85	56.215	121	64.835	157	74.712	193	86.754	229	103.253
14	42 839	50	48.958	86	56.439	122	65.090	158	75.010	194	87.138	230	103.853
15	42.992	51	49.158	87	56.655	123	65.347	159	75.310	195	87.525	231	104.420
16	43.145	52	49.349	88	56 890	124	65.601	160	75.612	196	87.915	232	104.994
17	43.299	53	49 541	89	57.117	125	65.858	161	75.915	197	88.310	233	105.574
18	43.454	54	49 734	90	57.345	126	66.122	162	76 220	198	88.707	234	106.162
19	43 610	55	49 928	91	57.574	127	66.382	163	76 527	199	89.109	235	106.758
20	43.767	56	50.124	92	57.803	128	66.644	164	76.035	200	89.514	236	107.350
21	43.925	57	50 320	93	58.034	129	66.906	165	77.145	201	89.923	237	107.970
22	44.004	58	50.517	94	58.265	130	67.159	166	77.458	202	90.338	238	108.589
23	44.244	59	50.715	95	58.497	131	67.434	167	77.772	203	90.753	239	109 215
24	44.405	60	50 915	96	58.730	132	67.699	168	78.033	204	91.174	240	109 847
25	44.568	61	51 115	97	58.964	133	67.965	169	78 405	205	91 600	241	110.486
26	44 731	62	51.316	98	59 198	134	68.233	170	78.725	206	92.029	242	111.130
27	44.895	63	51.519	99	59.434	135	68.501	171	79.048	207	92.463	243	111.760
28	45.060	64	51 722	100	59.670	136	68 771	172	79.372	208	92 901	244	112.403
29	45.227	65	51.935	101	59 903	137	69.041	173	79 698	209	93 344	245	113.138
30	45.394	66	52.132	102	60.146	138	69.313	174	80.035	210	93.792	246	113 822
31	45.563	67	52.338	103	60.385	139	69.585	175	80 357	211	94 244	247	114.515
32	45.732	68	52.545	104	60.625	140	69.850	176	80 690	212	94.700	248	115 217
33	45.908	69	52.753	105	60.855	141	70.135	177	81.023	213	95.162	249	115.928
34	46.075	70	52 963	106	61.107	142	70.411	178	81.353	214	95.629	250	116.646
35	46.247	71	53 173	107	61.349	143	70 689	179	81.704	215	96.101	251	117.378
36	46.421	72	53.384	108	61.593	144	70.968	180	82.0.6	216	96.578		


SC-113
INSTALLATION DATE NOV. 1:1975
HC TEMP SUPPLY CASSETTE (DEGC)
CAL RANGE 5.00000 TO 47.5000
HARDWARE CALIB. NO.
SERIAL NO.
EQUATION COEFFICIENTS
A0= 4.973 E 00
A1= 9.501 E 00
A2= 6.975 E-01
A3= 1.385 E-01
A4= -8.415 E-02
A5= 1.583 E-02
AL DEV= 0
HX DEV / RANGE = .65027
0%= 4.973E 00
20%= 9.536E 00
40%= 1.553E 01
60%= 1.807E 01
80%= 2.274E 01
100%= 3.212E 01
100%= 4.743E 01
MEASUREMENT NO.
MEAS LOADING NO.
1040030 18
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

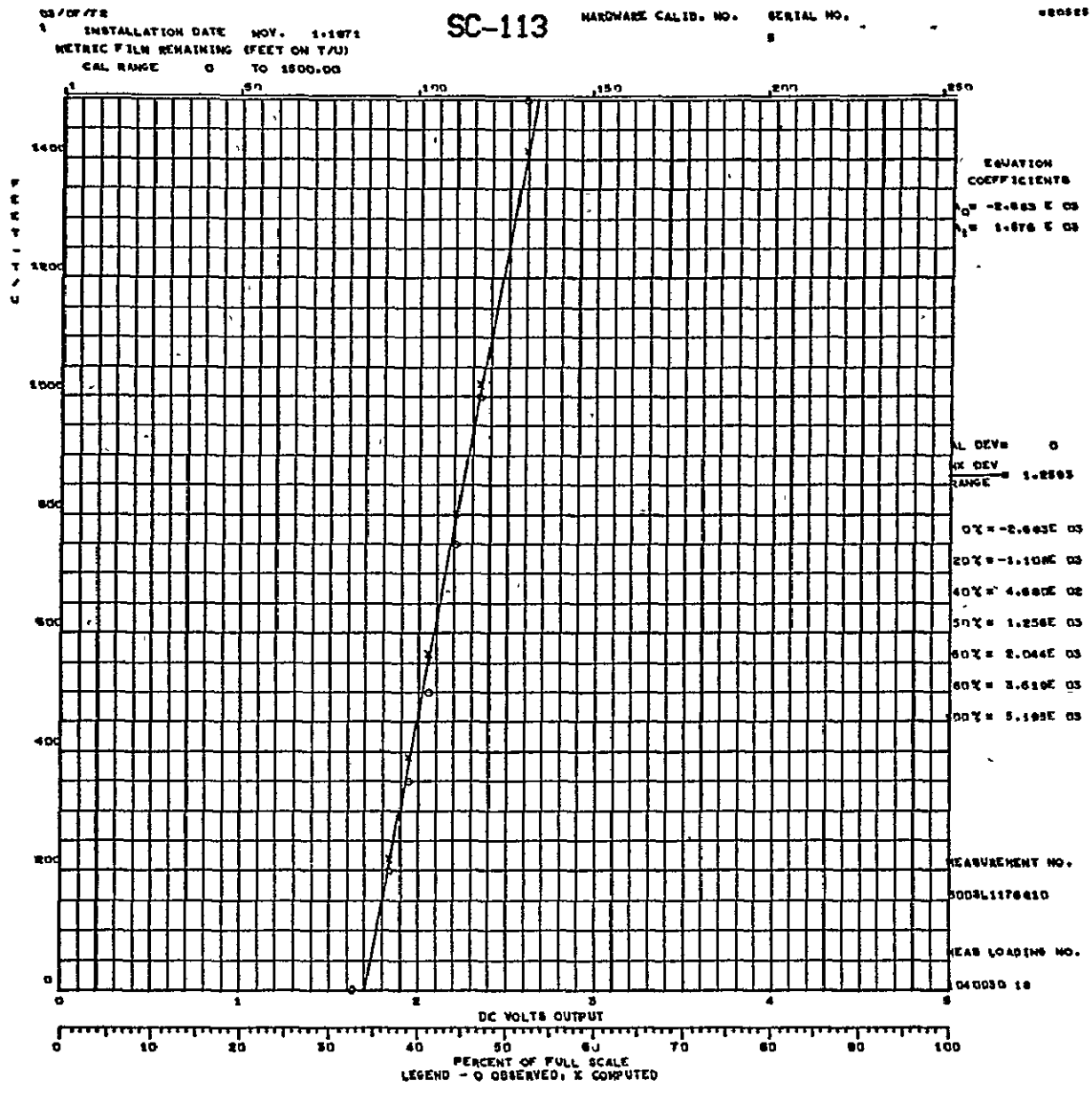
8. 191 (range 2

**** CALIBRATION TABLE OF COUNTS VS ENG UNITS ****

MC TEMP SUPPLY CASSETTE (DEGC)

MEASUREMENT NO 807X-115-T2D
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 5
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY EQUIPMENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC	CNT	DEGC
1	4 973	37	8 102	73	12 019	109	16.599	145	21 705	181	27.949	217	36.032
2	5.049	38	8 201	74	12.159	110	16.735	146	21 951	182	28.142	218	36.334
3	5.125	39	8 300	75	12.257	111	16.871	147	22.107	183	28 335	219	35.639
4	5 204	40	8 399	76	12.377	112	17.037	148	22 254	184	28.531	220	36.916
5	5 282	41	8 500	77	12.497	113	17.144	149	22 421	185	28 728	221	37.197
6	5.358	42	8 601	78	12 618	114	17.282	150	22 579	186	28.927	222	37.401
7	5 439	43	8 702	79	12.740	115	17.420	151	22 738	187	29.127	223	37.769
8	5.519	44	8.804	80	12.852	116	17.558	152	22 897	188	29 329	224	38.030
9	5 600	45	8 907	81	12 964	117	17.697	153	23.058	189	29 533	225	38 354
10	5.681	46	9 011	82	13 107	118	17.836	154	23 219	190	29 738	226	38 652
11	5.762	47	9 115	83	13 230	119	17 976	155	23 381	191	29 946	227	38 953
12	5.844	48	9 219	84	13 354	120	18.116	156	23.544	192	30.155	228	39.250
13	5 927	49	9 324	85	13 478	121	18 257	157	23.707	193	30.365	229	39.567
14	6.011	50	9 430	86	13 603	122	18.398	158	23.872	194	30.578	230	39.879
15	6.096	51	9 530	87	13 729	123	18.540	159	24.037	195	30.793	231	40.195
16	6 179	52	9 643	88	13.854	124	18.682	160	24.204	196	31.010	232	40.516
17	6.254	53	9 751	89	13.980	125	18.825	161	24.371	197	31 228	233	40.840
18	6.350	54	9 859	90	14.107	126	18 968	162	24.539	198	31 449	234	41.168
19	6.437	55	9.968	91	14.234	127	19 112	163	24.709	199	31.672	235	41.500
20	6.524	56	10 077	92	14.362	128	19 256	164	24 879	200	31.897	236	41.836
21	6.612	57	10 187	93	14.490	129	19 401	165	25 050	201	32.124	237	42.177
22	6.700	58	10 297	94	14.618	130	19 545	166	25 222	202	32.353	238	42 522
23	6.789	59	10.408	95	14.747	131	19 692	167	25 395	203	32.585	239	42 871
24	6.879	60	10 520	96	14 876	132	19.839	168	25.570	204	32 819	240	43 225
25	6.969	61	10.632	97	15.005	133	19.986	169	25.746	205	33 055	241	43.583
26	7.060	62	10 744	98	15.137	134	20.133	170	25.923	206	33.294	242	43.945
27	7.152	63	10 858	99	15 267	135	20 281	171	26.101	207	33 535	243	44.314
28	7.244	64	10.971	100	15.398	136	20.430	172	26.280	208	33 779	244	44.668
29	7.337	65	11 085	101	15.530	137	20 579	173	26.460	209	34.025	245	45.054
30	7.430	66	11.200	102	15.662	138	20 729	174	26 641	210	34 274	246	45.446
31	7.524	67	11.315	103	15 795	139	20.880	175	26 824	211	34 525	247	45.833
32	7.619	68	11.432	104	15.928	140	21.031	176	27.008	212	34.779	248	46.225
33	7.714	69	11.548	105	16 061	141	21 183	177	27.191	213	35.035	249	46.623
34	7.810	70	11.665	106	16 195	142	21.335	178	27 381	214	35.295	250	47.025
35	7.907	71	11 782	107	16.329	143	21.488	179	27.569	215	35.559	251	47.433
36	8.004	72	11.900	108	16.464	144	21 642	180	27.758	216	35.824		



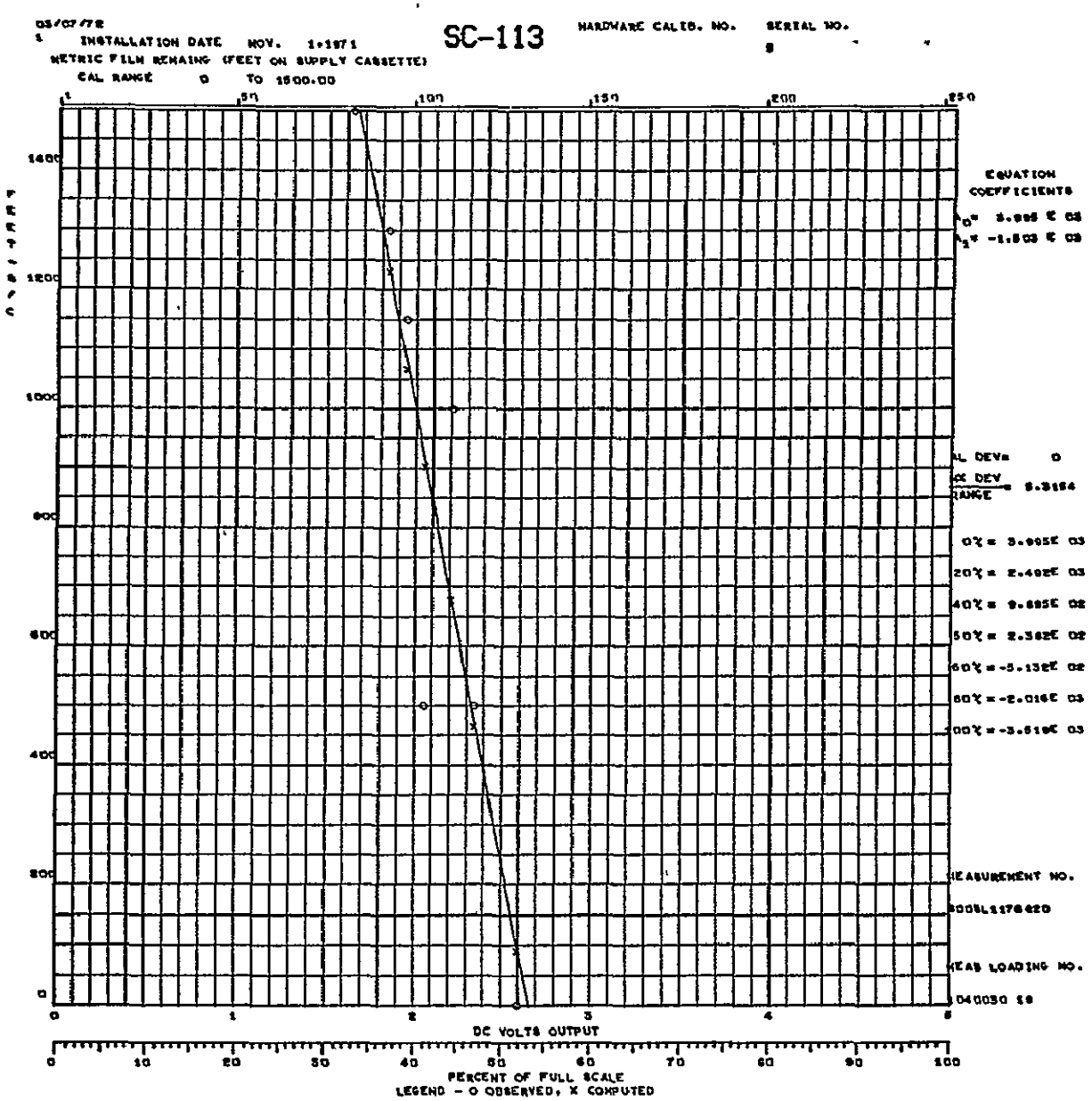
8 : 193 Charge 2

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

METRIC FILM REMAINING (FEET ON TAU)

MEASUREMENT NO. 8005L1176Q10
VEHICLE BC-115-EXP
TRANSDUCER SERIAL NO 5
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

CNT	FEET-T	CNT	FEET-T	CNT	FEET-T	CNT	FEET-T	CNT	FEET-T	CNT	FEET-T	CNT	FEET-T
1	-2963 079	37	-1548 606	73	-414.312	109	720 071	145	1854.456	181	2988 610	217	4123.229
2	-2551.568	38	-1517.105	74	-382.801	110	751 582	146	1885.956	182	3020.350	218	4154.734
3	-2520 058	39	-1485 674	75	-351 291	111	783.093	147	1917.477	183	3051.861	219	4185.244
4	-2488 547	40	-1454.164	76	-319 780	112	814 603	148	1948 983	184	3083.372	220	4217.755
5	-2457.036	41	-1422 653	77	-288.269	113	846.114	149	1980 496	185	3114.882	221	4249 858
6	-2425.526	42	-1391.142	78	-256 759	114	877 625	150	2012 009	186	3146.393	222	4280 776
7	-2394.015	43	-1359 632	79	-225 248	115	909.135	151	2043 520	187	3177.904	223	4312.287
8	-2362 505	44	-1328 121	80	-193 738	116	940.646	152	2075.030	188	3209 414	224	4343.797
9	-2330.994	45	-1296 610	81	-162.227	117	972.157	153	2106.541	189	3240 925	225	4375.308
10	-2299.483	46	-1265.100	82	-130.715	118	1003.667	154	2138.052	190	3272.436	226	4406.819
11	-2267.973	47	-1233 589	83	-99.205	119	1035.178	155	2169 562	191	3303 945	227	4438.329
12	-2236.462	48	-1202.078	84	-67.695	120	1066 689	156	2201.073	192	3335.457	228	4469 840
13	-2204.951	49	-1170 568	85	-36 184	121	1098.199	157	2232.584	193	3366 968	229	4501.351
14	-2273 441	50	-1139 057	86	-4.674	122	1129 710	158	2264.094	194	3398.478	230	4532.861
15	-2241.930	51	-1107.546	87	25.837	123	1161.221	159	2295 605	195	3429.989	231	4564.372
16	-2210.419	52	-1076.035	88	58.348	124	1192 731	160	2327.116	196	3461.500	232	4595.882
17	-2178.909	53	-1044.525	89	89.858	125	1224.242	161	2358 625	197	3493.010	233	4627.393
18	-2147.398	54	-1013 014	90	121 359	126	1255.753	162	2390 137	198	3524.521	234	4658.904
19	-2115.887	55	-981.504	91	152.060	127	1287.263	163	2421.648	199	3556.032	235	4690.414
20	-2084.377	56	-949 993	92	184.390	128	1318 774	164	2453 158	200	3587.542	236	4721 925
21	-2052.868	57	-918 482	93	215.901	129	1350 285	165	2484 669	201	3619 053	237	4753.435
22	-2021.355	58	-886.972	94	247.412	130	1381 795	166	2516 180	202	3650.564	238	4784.946
23	-1989 845	59	-855.461	95	278.922	131	1413.306	167	2547 690	203	3682.074	239	4815.457
24	-1958 334	60	-823 950	96	310.433	132	1444 817	168	2579.201	204	3713 585	240	4847.967
25	-1926.823	61	-792 440	97	341.943	133	1476 327	169	2610.712	205	3745.096	241	4879 478
26	-1895.313	62	-760.929	98	373 454	134	1507.838	170	2642 222	206	3776.606	242	4910.989
27	-1863.802	63	-729.419	99	404.965	135	1539.349	171	2673 733	207	3808 117	243	4942.499
28	-1832.291	64	-697.908	100	436.475	136	1570 859	172	2705.244	208	3839 627	244	4974.010
29	-1800.781	65	-666.397	101	467.985	137	1602 370	173	2736 754	209	3871.138	245	5005.521
30	-1769 270	66	-634.887	102	499.496	138	1633.881	174	2768 265	210	3902.649	246	5037.031
31	-1737.759	67	-603 376	103	531.007	139	1665 392	175	2799.776	211	3934 159	247	5068.542
32	-1705.249	68	-571.865	104	562 518	140	1696 902	176	2831 285	212	3965.670	248	5100 052
33	-1674 738	69	-540 355	105	594 029	141	1728 413	177	2862.797	213	3997.181	249	5131 563
34	-1643.227	70	-508 844	106	625 539	142	1759.924	178	2894.308	214	4028.691	250	5163.074
35	-1611.717	71	-477.333	107	657 050	143	1791.434	179	2925.818	215	4060 202	251	5194.584
36	-1580.206	72	-445.823	108	688.561	144	1822.945	180	2957.329	216	4091.712		


SC-113
INSTALLATION DATE NOV. 1-1971
METRIC FILM REMAING (FEET ON SUPPLY CASSETTE)
CAL RANGE 0 TO 1500.00
HARDWARE CALIB. NO.
SERIAL NO.
EQUATION COEFFICIENTS
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

**** CALIBRATION TABLE OF COUNTS VS ENGINEERI / UNITS ****

METRIC FILM REMAINS (FEET OF DUALLY CASSETTE)

MEASUREMENT NO. 6005L1176020
VEHICLE SC-115-EX-
TRANSDUCER SERIAL NO 5
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 11/01/71

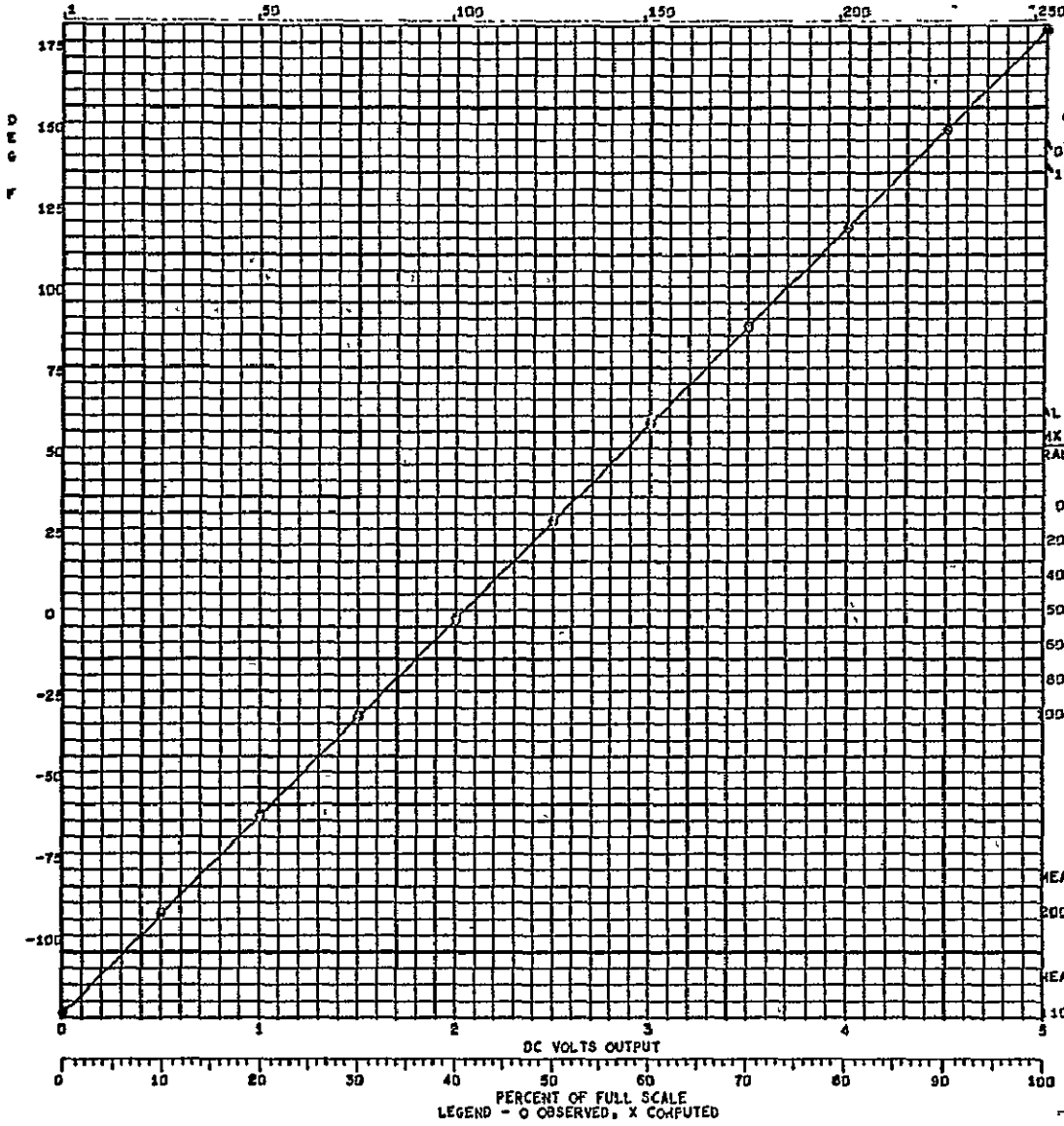
CNT	FEET-S	CNT	FEET-S	CNT	FEET-S	CNT	FEET-S	CNT	FEET-S	CNT	FEET-S	CNT	FEET-S
1	3804.908	37	2912.973	73	1631.039	109	749 105	145	-332.629	181	-1414.764	217	-2415.608
2	3804.054	38	2882 020	74	1600.995	110	719.052	146	-352 683	182	-1444.818	218	-2385.751
3	3634.000	39	2852.655	75	1770.532	111	603.998	147	-302 937	183	-1474.671	219	-2355.005
4	3904.746	40	2822.812	76	1740.878	112	658 944	148	-422.900	184	-1504.025	220	-2305.659
5	3874.610	41	2792 759	77	1710.625	113	620.090	149	-453.044	185	-1534.979	221	-2316.913
6	3844 039	42	2762 705	78	1680.771	114	590.657	150	-483.008	186	-1565.033	222	-2348.656
7	3814.586	43	2732 651	79	1650.717	115	560.763	151	-513 152	187	-1595.089	223	-2577.020
8	3784.551	44	2702.597	80	1620.663	116	530.729	152	-543.208	188	-1625.140	224	-2707.074
9	3754.478	45	2672.544	81	1590.610	117	500.676	153	-573 259	189	-1655.194	225	-2737.127
10	3724.424	46	2642 490	82	1560.556	118	470 622	154	-603 315	190	-1685.248	226	-2767.181
11	3694.370	47	2612 435	83	1530.502	119	440.568	155	-633.367	191	-1715.301	227	-2797.235
12	3664.317	48	2582 382	84	1500.449	120	410.514	156	-663.420	192	-1745.355	228	-2827.288
13	3634.263	49	2552.329	85	1470.395	121	380.491	157	-693.474	193	-1775.409	229	-2857.342
14	3604.209	50	2522 275	86	1440.341	122	350.407	158	-723 528	194	-1805.462	230	-2887.396
15	3574.155	51	2492.221	87	1410.287	123	320 353	159	-753.582	195	-1835.516	231	-2917.449
16	3544.102	52	2462 168	88	1380 234	124	290.299	160	-783 635	196	-1865.570	232	-2947.503
17	3514.048	53	2432 114	89	1350.180	125	260.245	161	-813 689	197	-1895 624	233	-2977.557
18	3483.994	54	2402.060	90	1320.126	126	230.192	162	-843.743	198	-1925.677	234	-3007.611
19	3453.940	55	2372.006	91	1290.073	127	200.138	163	-873.797	199	-1955.731	235	-3037.664
20	3423 887	56	2341.953	92	1260.019	128	170.004	164	-903 850	200	-1985.785	236	-3067.718
21	3393 833	57	2311.899	93	1229.965	129	140.031	165	-933 904	201	-2015.839	237	-3097.772
22	3363.779	58	2281.845	94	1199.911	130	117.977	166	-963.958	202	-2045.892	238	-3127.025
23	3333 726	59	2251.791	95	1169.858	131	87.923	167	-994.012	203	-2075.946	239	-3157.879
24	3303.672	60	2221 738	96	1139 804	132	57.869	168	-1024.065	204	-2105.000	240	-3187.933
25	3273.618	61	2191.684	97	1109.750	133	27.816	169	-1054.119	205	-2135.053	241	-3217.986
26	3243.564	62	2161.630	98	1079 695	134	-2 238	170	-1084.173	206	-2166.107	242	-3248.040
27	3213 511	63	2131.577	99	1049.643	135	-32.292	171	-1114.225	207	-2195.161	243	-3278.094
28	3183.457	64	2101.523	100	1019 589	136	-62.346	172	-1144 280	208	-2225 214	244	-3308.148
29	3153.403	65	2071 469	101	989 535	137	-92.399	173	-1174.334	209	-2256 268	245	-3338.201
30	3123.350	66	2041 415	102	959.482	138	-122.453	174	-1204.388	210	-2286 322	246	-3368.255
31	3093.296	67	2011.362	103	929.428	139	-152 507	175	-1234.441	211	-2316.376	247	-3398 309
32	3063 242	68	1981.308	104	899 374	140	-182.561	176	-1264.495	212	-2346.429	248	-3428.362
33	3033 188	69	1951.254	105	869.320	141	-212 614	177	-1294.549	213	-2376.483	249	-3458 416
34	3003.135	70	1921.201	106	839 267	142	-242.668	178	-1324 603	214	-2406.537	250	-3488.470
35	2973.081	71	1891.147	107	809 213	143	-272 722	179	-1354 656	215	-2436.590	251	-3518 523
36	2943.027	72	1861 093	108	779 159	144	-302 775	180	-1384.710	216	-2466.644		

09/27/71
1 INSTALLATION DATE AUG. 5,1961
TEMP THRM ENVIR SHELF XS236.5
CAL RANGE -118.403 TO 183.827

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
78160 01	10095442198W
79079 01	10095442202A
00	0000000Q0000000000

=21515



EQUATION COEFFICIENTS

A_0= -1.184 E 02

A_1= 6.045 E 01

AL DEV= .00000

MX DEV / RANGE = .00000

0% =-1.184E 02
20% =-5.796E 01
40% = 2.489E 00
50% = 3.271E 01
60% = 6.294E 01
80% = 1.234E 02
100% = 1.638E 02

MEASUREMENT NO.
200SL1201T02

MEAS LOADING NO.
102105 12

8 19

Range 2

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP THRH ENVIR SHELF XS236.5

MEASUREMENT NO 2005L1201T02
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442198W
SIGNAL CONDITIONER SERIAL NO. 10095442202A
AUXILIARY COMPONENT SERIAL NO 0000000000000000
CALIBRATION DATE 08/05/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-119.403	38	-74.203	75	-30.003	112	14.196	149	58.396	186	102.596	223	146.795
2	-117.208	39	-73.008	76	-28.809	113	15.391	150	59.591	187	103.790	224	147.990
3	-116.013	40	-71.814	77	-27.614	114	16.586	151	60.785	188	104.985	225	149.184
4	-114.819	41	-70.619	78	-26 419	115	17.780	152	61.980	189	106.179	226	150.379
5	-113.624	42	-69 425	79	-25.225	116	18.975	153	63.174	190	107.374	227	151.574
6	-112.430	43	-68.230	80	-24.030	117	20.169	154	64.369	191	108.569	228	152.768
7	-111.235	44	-67.035	81	-22.836	118	21.364	155	65.564	192	109.763	229	153.963
8	-110.040	45	-65.841	82	-21.641	119	22.558	156	66.758	193	110.958	230	155.157
9	-108 846	46	-64.646	83	-20.447	120	23.753	157	67.953	194	112.152	231	156.352
10	-107.651	47	-63.452	84	-19.252	121	24.948	158	69.147	195	113.347	232	157.547
11	-106.457	48	-62.257	85	-18.057	122	26.142	159	70.342	196	114.542	233	158.741
12	-105.262	49	-61.062	86	-16.863	123	27.337	160	71.536	197	115.736	234	159.936
13	-104.068	50	-59.868	87	-15.668	124	28.531	161	72.731	198	116.931	235	161.130
14	-102.873	51	-58.673	88	-14.474	125	29.726	162	73.926	199	118.125	236	162.325
15	-101.678	52	-57.479	89	-13.279	126	30.921	163	75.120	200	119.320	237	163.520
16	-100.484	53	-56.284	90	-12.084	127	32.115	164	76.315	201	120.514	238	164.714
17	-99.289	54	-55.090	91	-10.890	128	33.310	165	77.509	202	121.709	239	165.909
18	-98.095	55	-53.895	92	-9.695	129	34.504	166	78.704	203	122.904	240	167.103
19	-96.900	56	-52.700	93	-8 501	130	35.699	167	79.899	204	124.098	241	168.298
20	-95.705	57	-51.506	94	-7.306	131	36.893	168	81.093	205	125.293	242	169.492
21	-94.511	58	-50.311	95	-6.112	132	38.088	169	82.288	206	126.487	243	170.687
22	-93.316	59	-49.117	96	-4.917	133	39.283	170	83.482	207	127.682	244	171.882
23	-92.122	60	-47.922	97	-3.722	134	40.477	171	84.677	208	128.877	245	173.076
24	-90.927	61	-46.727	98	-2.528	135	41.672	172	85.871	209	130.071	246	174.271
25	-89.732	62	-45.533	99	-1.333	136	42.866	173	87.066	210	131.266	247	175.465
26	-88.538	63	-44.338	100	-0.139	137	44.061	174	88.261	211	132.460	248	176.660
27	-87.343	64	-43.144	101	1.056	138	45.256	175	89.455	212	133.655	249	177.855
28	-86.149	65	-41.949	102	2.251	139	46.450	176	90.650	213	134.849	250	179.049
29	-84 954	66	-40.755	103	3.445	140	47.645	177	91.844	214	136.044	251	180.244
30	-83.760	67	-39.560	104	4.640	141	48.839	178	93.039	215	137.239	252	181.438
31	-82.565	68	-38.365	105	5.834	142	50.034	179	94.234	216	138.433	253	182.633
32	-81.370	69	-37.171	106	7.029	143	51.229	180	95.428	217	139.628	254	183.828
33	-80.176	70	-35.976	107	8.223	144	52.423	181	96.623	218	140.822		
34	-78.981	71	-34.782	108	9.418	145	53.618	182	97.817	219	142.017		
35	-77.787	72	-33.587	109	10.613	146	54.812	183	99.012	220	143.212		
36	-76.592	73	-32.392	110	11.807	147	56.007	184	100.206	221	144.406		
37	-75.397	74	-31.198	111	13.002	148	57.201	185	101.401	222	145.601		

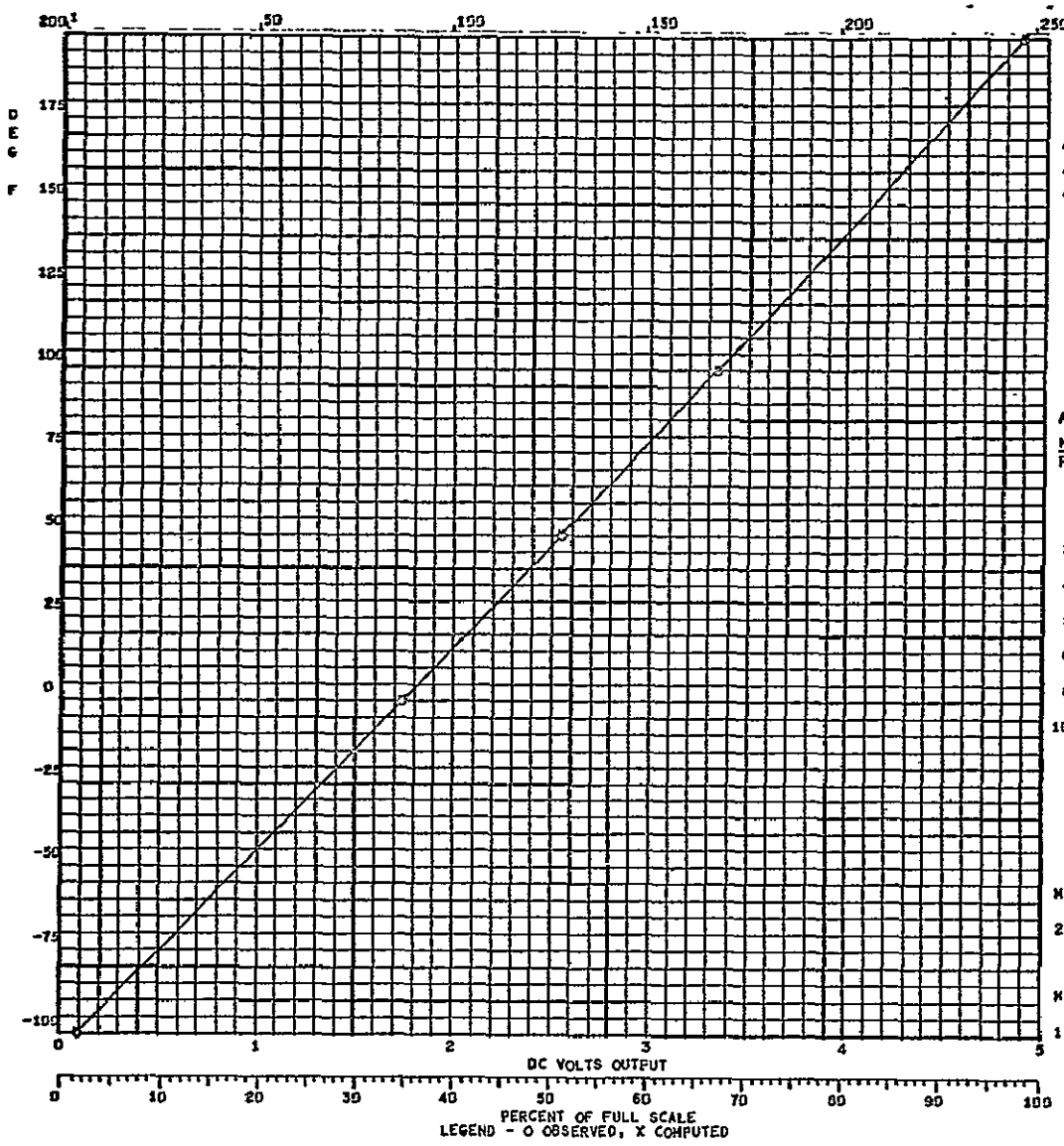
8 156 Change 2

09/27/71
2 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-BH 1 X5221;R62
V CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54867 02 00 00
SERIAL NO. 10095442165W

#21515



EQUATION COEFFICIENTS
A_0= -1.047 E 02
A_1= 5.894 E 01
A_2= 7.191 E-01

AL DEV= 0
MX DEV/RANGE= 0

0% = -1.047E 02
20% = -4.508E 01
40% = 1.602E 01
50% = 4.711E 01
60% = 7.856E 01
80% = 1.425E 02
100% = 2.079E 02

MEASUREMENT NO.
2005L1202T01

MEAS LOADING NO.
1101057 12

8 199 Change 2

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP THRM ENVIR-BM 1 XS221,R62

MEASUREMENT NO. 200SL1202T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095442183J
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-104.737	38	-61.254	75	-17.001	112	28.020	149	73.818	186	120.369	223	167.697
2	-103.572	39	-60.068	76	-15.795	113	29.247	150	75.058	187	121.638	224	168.987
3	-102.406	40	-58 881	77	-14.587	114	30.475	151	76.307	188	122.908	225	170.277
4	-101.240	41	-57.694	78	-13.380	115	31.704	152	77.556	189	124.178	226	171.568
5	-100.073	42	-56.507	79	-12.171	116	32.933	153	78.806	190	125.449	227	172.860
6	-98.906	43	-55 318	80	-10.962	117	34.163	154	80.057	191	126.720	228	174.152
7	-97.738	44	-54.130	81	-9.753	118	35.393	155	81.308	192	127.992	229	175.444
8	-96.569	45	-52.940	82	-8.543	119	36.624	156	82.559	193	129.264	230	176.738
9	-95.400	46	-51.751	83	-7.332	120	37.855	157	83.812	194	130.537	231	178.031
10	-94.231	47	-50.560	84	-6.121	121	39.087	158	85.064	195	131.811	232	179.326
11	-93 060	48	-49 369	85	-4.909	122	40.320	159	86.318	196	133.085	233	180.621
12	-91.890	49	-48.178	86	-3.697	123	41.553	160	87.572	197	134.359	234	181.916
13	-90.718	50	-46.986	87	-2.484	124	42.786	161	88.826	198	135.634	235	183.212
14	-89.546	51	-45.793	88	-1.271	125	44.021	162	90.081	199	136.910	236	184.509
15	-88.374	52	-44.600	89	-0.057	126	45.255	163	91.336	200	138.187	237	185.806
16	-87.201	53	-43.406	90	1.158	127	46.491	164	92.593	201	139.465	238	187.103
17	-86.028	54	-42.212	91	2.373	128	47.727	165	93.849	202	140.741	239	188.402
18	-84.853	55	-41.017	92	3.589	129	48.963	166	95.107	203	142.019	240	189.700
19	-83.679	56	-39.821	93	4.805	130	50.200	167	96.364	204	143.298	241	191.000
20	-82.504	57	-38.625	94	6.022	131	51.438	168	97.623	205	144.577	242	192.300
21	-81.328	58	-37.429	95	7.239	132	52.676	169	98.882	206	145.856	243	193.600
22	-80.151	59	-36.232	96	8.457	133	53.914	170	100.141	207	147.137	244	194.901
23	-78.975	60	-35.034	97	9.675	134	55.154	171	101.401	208	148.417	245	196.203
24	-77.797	61	-33.836	98	10.894	135	56.394	172	102.662	209	149.699	246	197.505
25	-76.619	62	-32.637	99	12.114	136	57.634	173	103.923	210	150.981	247	198.808
26	-75.440	63	-31.438	100	13.334	137	58.875	174	105.185	211	152.263	248	200.111
27	-74.261	64	-30.238	101	14.555	138	60.116	175	106.447	212	153.546	249	201.415
28	-73.082	65	-29.037	102	15.776	139	61.358	176	107.710	213	154.830	250	202.719
29	-71.901	66	-27.836	103	16.998	140	62.601	177	108.973	214	156.114	251	204.024
30	-70.720	67	-26.635	104	18.220	141	63 844	178	110.237	215	157.399	252	205.330
31	-69.539	68	-25.432	105	19.443	142	65.088	179	111.502	216	158.684	253	206.636
32	-68.357	69	-24.230	106	20.667	143	66.332	180	112.767	217	159.970	254	207.943
33	-67.175	70	-23.026	107	21.891	144	67.577	181	114.032	218	161.257		
34	-65.991	71	-21.822	108	23.116	145	68.823	182	115.299	219	162.544		
35	-64.808	72	-20.618	109	24.341	146	70.069	183	116.565	220	163.831		
36	-63 624	73	-19.413	110	25.567	147	71.315	184	117.833	221	165.119		
37	-62.439	74	-18.207	111	26.793	148	72.562	185	119.101	222	166.408		

8 200 Change 2

20 20

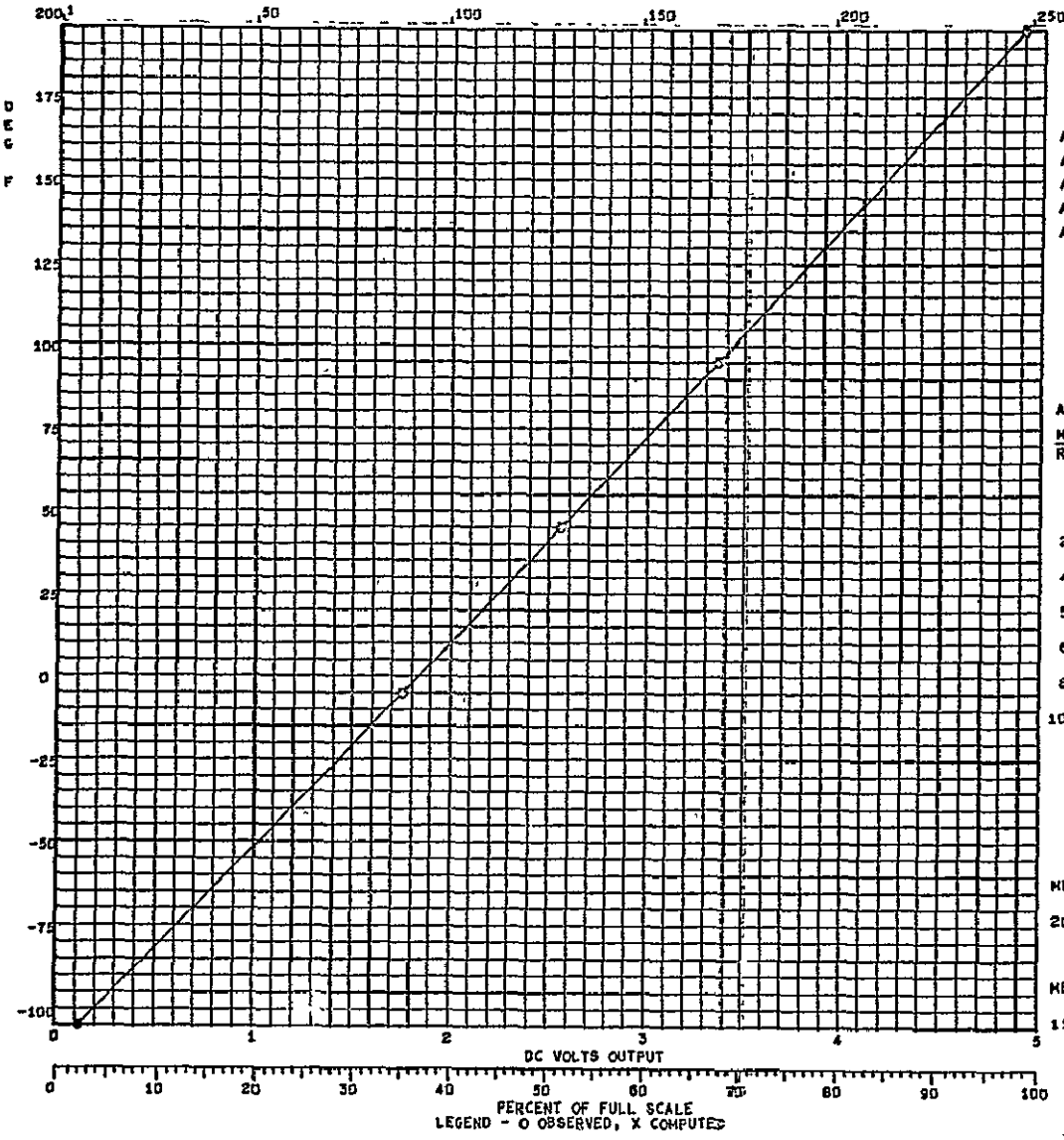
09/27/71
4 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-BH 1 XS278,R62
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 77756 02 00 00

SERIAL NO. 10308612555A

*21315



EQUATION COEFFICIENTS

A_0= -1.066 E 02
A_1= 5.914 E 01
A_2= 1.212 E 00
A_3= -2.320 E-01
A_4= 2.648 E-02

AL DEV= 0

MX DEV / RANGE = 0

0% =-1.066E 02
20% =-4.650E 01
40% = 1.505E 01
50% = 4.619E 01
60% = 7.756E 01
80% = 1.412E 02
100% = 2.069E 02

MEASUREMENT NO.
2005L1204T01

MEAS LOADING NO.
1104049 12

8 201 Change 2

CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS

TEMP THRM ENVIR-BH 1 XS278;R62

MEASUREMENT NO. 200SL1204T01
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10308612555A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBERATION DATE 06/11/61

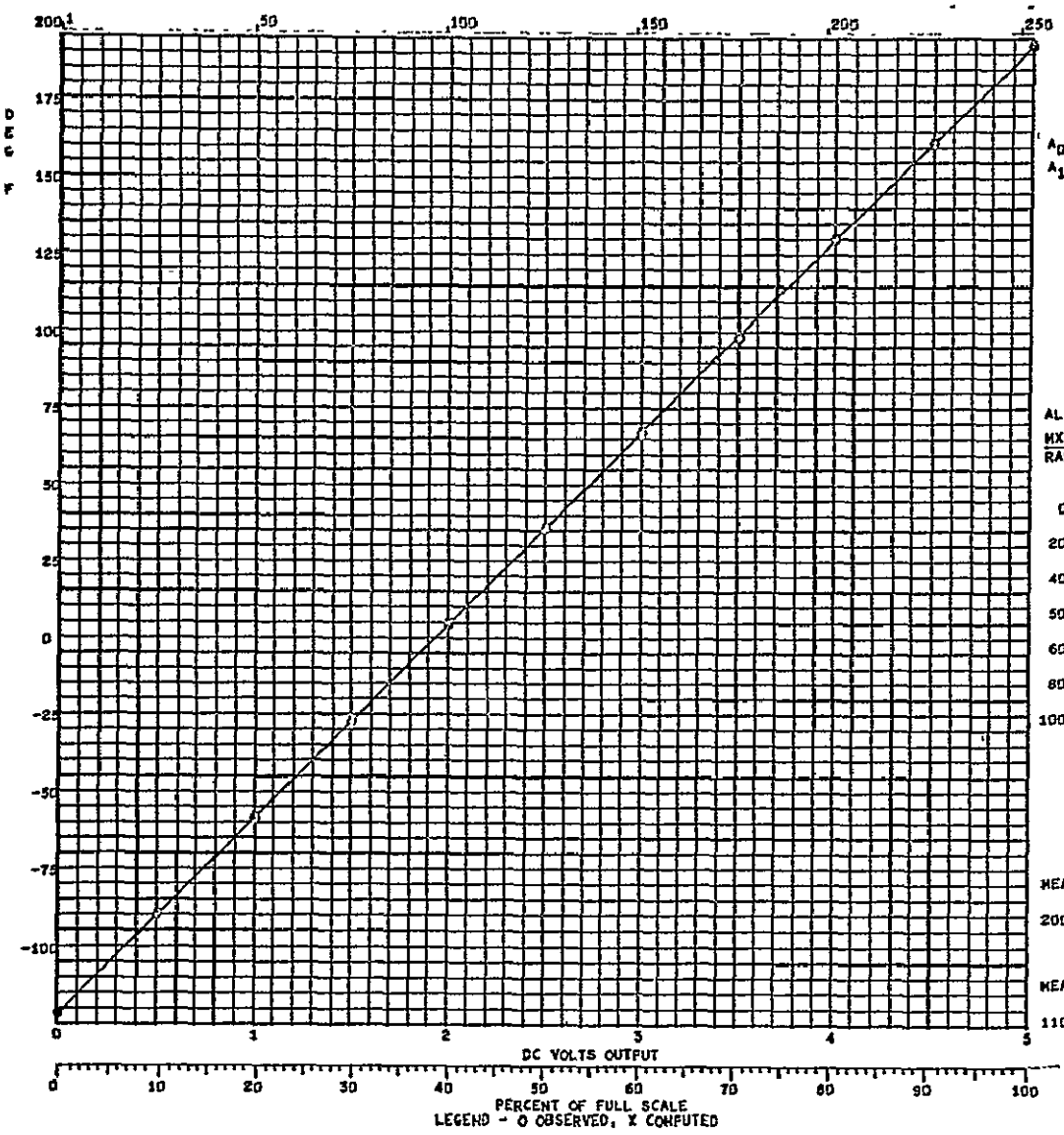
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106 638	38	-62.831	75	-18.167	112	27.084	149	72.831	186	119.165	223	166.361
2	-105.469	39	-61.634	76	-16.951	113	28.314	150	74.074	187	120.428	224	167.653
3	-104 299	40	-60.436	77	-15.734	114	29.544	151	75.319	188	121.691	225	168.945
4	-103.128	41	-59.237	78	-14.517	115	30.774	152	76.563	189	122.955	226	170.238
5	-101.956	42	-58.038	79	-13.300	116	32.005	153	77.808	190	124.220	227	171.533
6	-100.783	43	-56.838	80	-12.082	117	33.237	154	79.054	191	125.485	228	172.828
7	-99.609	44	-55.637	81	-10.864	118	34.468	155	80.299	192	126.750	229	174.124
8	-98.435	45	-54.436	82	-9.646	119	35.700	156	81.546	193	128.017	230	175.422
9	-97.259	46	-53.235	83	-8.427	120	36.933	157	82.793	194	129.284	231	176.720
10	-96.083	47	-52.033	84	-7.207	121	38.165	158	84.040	195	130.552	232	178.019
11	-94.905	48	-50.830	85	-5.988	122	39.398	159	85.287	196	131.820	233	179.320
12	-93.727	49	-49.627	86	-4.768	123	40.632	160	86.536	197	133.090	234	180.621
13	-92.549	50	-48.423	87	-3.547	124	41.865	161	87.784	198	134.359	235	181.924
14	-91.369	51	-47.218	88	-2.326	125	43.100	162	89.033	199	135.630	236	183.228
15	-90.188	52	-46.014	89	-1.105	126	44.334	163	90.283	200	136.901	237	184.532
16	-89 007	53	-44.808	90	0.117	127	45.569	164	91.533	201	138.173	238	185.838
17	-87.825	54	-43.602	91	1.338	128	46.804	165	92.783	202	139.446	239	187.145
18	-86.642	55	-42.396	92	2.561	129	48.040	166	94.034	203	140.720	240	188.453
19	-85.458	56	-41.189	93	3.784	130	49.276	167	95.286	204	141.994	241	189.763
20	-84.274	57	-39.981	94	5 007	131	50.512	168	96.538	205	143.269	242	191.073
21	-83.088	58	-38.773	95	6 230	132	51.749	169	97.790	206	144.545	243	192.385
22	-81.902	59	-37.565	96	7.454	133	52.986	170	99.043	207	145.822	244	193.697
23	-80.716	60	-36.356	97	8.678	134	54.223	171	100.297	208	147.099	245	195.011
24	-79.528	61	-35.147	98	9 903	135	55.461	172	101.551	209	148.377	246	196.327
25	-78.340	62	-33.937	99	11.128	136	56.699	173	102.805	210	149.656	247	197.643
26	-77.151	63	-32.726	100	12.353	137	57.938	174	104.060	211	150.936	248	198.961
27	-75.962	64	-31.516	101	13.578	138	59.176	175	105.316	212	152.217	249	200.280
28	-74.771	65	-30.304	102	14.804	139	60.416	176	106.572	213	153.498	250	201.600
29	-73.580	66	-29.092	103	16.031	140	61.655	177	107.829	214	154.781	251	202.921
30	-72.389	67	-27.880	104	17.258	141	62 896	178	109.086	215	156.064	252	204.244
31	-71.196	68	-26.668	105	18.485	142	64.136	179	110.344	216	157.348	253	205.568
32	-70.003	69	-25.455	106	19 712	143	65.377	180	111.603	217	158.633	254	206.893
33	-68.809	70	-24.241	107	20.940	144	66.618	181	112.862	218	159.919		
34	-67.615	71	-23 027	108	22.168	145	67.860	182	114.121	219	161.205		
35	-66.420	72	-21.813	109	23.396	146	69.102	183	115.381	220	162.493		
36	-65.225	73	-20.598	110	24.625	147	70.344	184	116.642	221	163.782		
37	-64.028	74	-19 383	111	25.854	148	71.587	185	117.903	222	165.071		

09/27/71
1 INSTALLATION DATE AUG. 5,1961
TEMP THRM ENVIR-BH 6 XS221,RG2
CAL RANGE -116.390 TO 197.781

SC-113

HARDWARE CALIB. NO.	SERIAL NO.
77960 02	10308612545A
82124 03	10095421927A
00	0000000000000000000

#21515



EQUATION COEFFICIENTS

A_0= -1.164 E 02
A_1= 6.283 E 01

AL DEV= .00000
MX DEV / RANGE = .00000

0% = -1.164E 02
20% = -5.356E 01
40% = 9.278E 00
50% = 4.070E 01
60% = 7.211E 01
80% = 1.349E 02
100% = 1.978E 02

MEASUREMENT NO.
2005L1205T02

MEAS LOADING NO.
1101026 12

8 20% Change 2

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRN ENVIR-BH G XS221,R62

MEASUREMENT NO. 2005L1205T02
VEHICLE SC-115
TRANSDUCER SERIAL NO. 10308612545A
SIGNAL CONDITIONER SERIAL NO. 10095421927A
AUXILIARY COMPONENT SERIAL NO 0000000000000000
CALIBRATION DATE 08/05/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-116.390	38	-70.444	75	-24.498	112	21.448	149	67.394	186	113.340	223	159.286
2	-115.148	39	-69.202	76	-23.256	113	22.690	150	68 636	187	114.582	224	160.528
3	-113.907	40	-67.961	77	-22.015	114	23.931	151	69.877	188	115.823	225	161.769
4	-112.665	41	-66.719	78	-20.775	115	25.173	152	71.119	189	117.065	226	163.011
5	-111.423	42	-65.477	79	-19.531	116	26.415	153	72.361	190	118.307	227	164.253
6	-110.181	43	-64.235	80	-18.289	117	27.657	154	73.603	191	119.549	228	165.495
7	-108.939	44	-62.993	81	-17.047	118	28.899	155	74.845	192	120.791	229	166.737
8	-107.698	45	-61.752	82	-15 806	119	30.140	156	76.086	193	122.032	230	167.978
9	-106 456	46	-60.510	83	-14.564	120	31.382	157	77.328	194	123.274	231	169.220
10	-105.214	47	-59.268	84	-13.322	121	32.624	158	78.570	195	124.516	232	170.462
11	-103.972	48	-58.026	85	-12.080	122	33.866	159	79.812	196	125.758	233	171.704
12	-102.730	49	-56.784	86	-10.838	123	35.108	160	81.054	197	126.999	234	172.946
13	-101.489	50	-55.543	87	-9.597	124	36.349	161	82.295	198	128.241	235	174.187
14	-100.247	51	-54.301	88	-8.355	125	37.591	162	83.537	199	129.483	236	175.429
15	-99.005	52	-53.059	89	-7.113	126	38.833	163	84.779	200	130.725	237	176.671
16	-97.763	53	-51.817	90	-5.871	127	40.075	164	86.021	201	131.967	238	177.913
17	-96.522	54	-50.576	91	-4.630	128	41.316	165	87.262	202	133.208	239	179.154
18	-95.280	55	-49.334	92	-3.388	129	42.558	166	88.504	203	134.450	240	180.396
19	-94.038	56	-48.092	93	-2.146	130	43.800	167	89.746	204	135.692	241	181.638
20	-92.796	57	-46.850	94	-0.904	131	45.042	168	90 988	205	136.934	242	182.880
21	-91.554	58	-45.608	95	0.338	132	46.284	169	92.230	206	138.176	243	184.122
22	-90.313	59	-44.367	96	1.579	133	47.525	170	93.471	207	139.417	244	185.363
23	-89.071	60	-43.125	97	2.821	134	48.767	171	94.713	208	140.659	245	186.605
24	-87.829	61	-41 883	98	4.063	135	50.009	172	95.955	209	141.901	246	187.847
25	-86.587	62	-40 641	99	5.305	136	51.251	173	97.197	210	143.143	247	189.089
26	-85.345	63	-39.400	100	6.546	137	52.492	174	98.438	211	144.384	248	190.331
27	-84.104	64	-38.158	101	7.788	138	53.734	175	99.680	212	145.626	249	191.572
28	-82 862	65	-36 916	102	9.030	139	54.976	176	100.922	213	146.868	250	192.814
29	-81.620	66	-35.674	103	10 272	140	56.218	177	102.164	214	148.110	251	194.056
30	-80.378	67	-34.432	104	11.514	141	57.460	178	103.406	215	149.352	252	195.298
31	-79.137	68	-33.191	105	12.755	142	58.701	179	104.647	216	150.593	253	196.539
32	-77.895	69	-31.949	106	13.997	143	59.943	180	105.889	217	151.835	254	197.781
33	-76 653	70	-30.707	107	15.239	144	61.185	181	107.131	218	153.077		
34	-75.411	71	-29.465	108	16.481	145	62.427	182	108.373	219	154.319		
35	-74.169	72	-28.223	109	17.723	146	63.669	183	109.615	220	155.561		
36	-72.928	73	-26.982	110	18 964	147	64.910	184	110.856	221	156.802		
37	-71.686	74	-25 740	111	20.206	148	66.152	185	112 098	222	158.044		

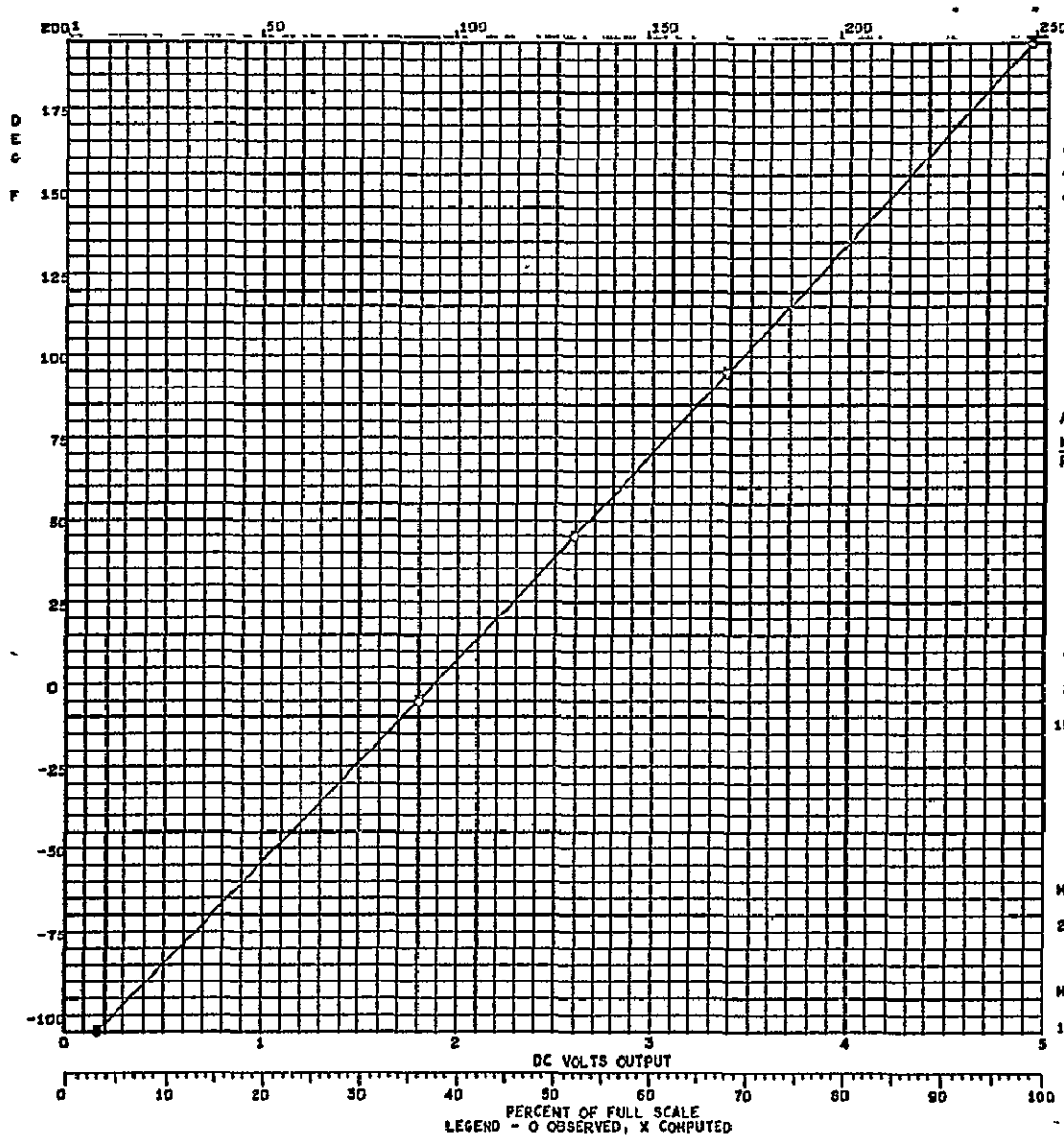
09/27/71
2 INSTALLATION DATE JUNE 11;1961
TEMP THRM ENVIR-BH 6 X5257,R62
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 76276 03 00 00

SERIAL NO. 10308442225A

s21515



EQUATION COEFFICIENTS

A_0= -1.096 E 02
A_1= 5.969 E 01
A_2= 6.629 E-01

AL DEV= 0
HX DEV = 0
RANGE

0% = -1.096E 02
20% = -4.924E 01
40% = 1.244E 01
50% = 4.378E 01
60% = 7.545E 01
80% = 1.398E 02
100% = 2.054E 02

MEASUREMENT NO.
2005L1206TD1

MEAS LOADING NO.
1102027 12

8 20[illegible] Change 2

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR-BH 6 XS257,R62

MEASUREMENT NO. 200SL1206T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308442225A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-109.588	38	-65.587	75	-20.877	112	24.543	149	70.671	186	117.538	223	165.054
2	-108.408	39	-64.388	76	-19.658	113	25.780	150	71.927	187	118.783	224	166.348
3	-107.228	40	-63.188	77	-18.440	114	27.018	151	73.184	188	120.060	225	167.644
4	-106 047	41	-61.988	78	-17.220	115	28.256	152	74.442	189	121.336	226	168.940
5	-104.865	42	-60.787	79	-16.001	116	29.495	153	75.700	190	122.614	227	170.236
6	-103.683	43	-59.586	80	-14.780	117	30.735	154	76.959	191	123.891	228	171.533
7	-102.501	44	-58 385	81	-13 559	118	31.975	155	78.218	192	125.170	229	172.831
8	-101.318	45	-57.182	82	-12.338	119	33.215	156	79.477	193	126.448	230	174.128
9	-100.134	46	-55.980	83	-11.116	120	34.456	157	80.738	194	127.728	231	175.427
10	-98.950	47	-54.777	84	-9.894	121	35.698	158	81.998	195	129.008	232	176.726
11	-97.766	48	-53.573	85	-8.671	122	36.940	159	83.259	196	130.288	233	178.026
12	-96.581	49	-52.369	86	-7.448	123	38.182	160	84.521	197	131.569	234	179.326
13	-95.395	50	-51.164	87	-6.224	124	39.425	161	85.783	198	132 850	235	180 626
14	-94.209	51	-49 959	88	-4.999	125	40.669	162	87.046	199	134.132	236	181.927
15	-93 022	52	-48.753	89	-3.774	126	41.913	163	88.309	200	135.415	237	183.229
16	-91.835	53	-47.546	90	-2.549	127	43.158	164	89.573	201	136.698	238	184.531
17	-90.648	54	-46 340	91	-1.323	128	44.403	165	90.838	202	137.981	239	185.834
18	-89.459	55	-45.132	92	-0.096	129	45 649	166	92.102	203	139.265	240	187.137
19	-88 271	56	-43.924	93	1.131	130	46.895	167	93.368	204	140 550	241	188.440
20	-87.081	57	-42.716	94	2.358	131	48.141	168	94.634	205	141.835	242	189.745
21	-85.892	58	-41.507	95	3.586	132	49.389	169	95.900	206	143.120	243	191.049
22	-84.701	59	-40.298	96	4.815	133	50.636	170	97.167	207	144.406	244	192.354
23	-83.511	60	-39.088	97	6.044	134	51.885	171	98.434	208	145.693	245	193.660
24	-82.319	61	-37.877	98	7.274	135	53.133	172	99.702	209	146.980	246	194.966
25	-81.128	62	-36 666	99	8.504	136	54.383	173	100.971	210	148.267	247	196.273
26	-79.935	63	-35.455	100	9.734	137	55.633	174	102.240	211	149.556	248	197.581
27	-78.742	64	-34.243	101	10.966	138	56.883	175	103.509	212	150.844	249	198.888
28	-77.549	65	-33 030	102	12.197	139	58.134	176	104.779	213	152.133	250	200.197
29	-76.355	66	-31.817	103	13.429	140	59,385	177	106.050	214	153.423	251	201.506
30	-75.161	67	-30.604	104	14.662	141	60.637	178	107.321	215	154.713	252	202.815
31	-73.966	68	-29.390	105	15.895	142	61.889	179	108.592	216	156.004	253	204.125
32	-72.770	69	-28.175	106	17.129	143	63.142	180	109.864	217	157.295	254	205.435
33	-71.574	70	-26.960	107	18.363	144	64.396	181	111.137	218	158.587		
34	-70.378	71	-25.744	108	19.598	145	65.650	182	112.410	219	159.879		
35	-69.181	72	-24.528	109	20.834	146	66.904	183	113.684	220	161.172		
36	-67.983	73	-23.311	110	22.069	147	68.159	184	114.958	221	162.465		
37	-66.785	74	-22.094	111	23.306	148	69.415	185	116.232	222	163.759		

09/27/71

2 INSTALLATION DATE JUNE 11,1961

TMF THRM ENVIR-GAMMA RAY STR

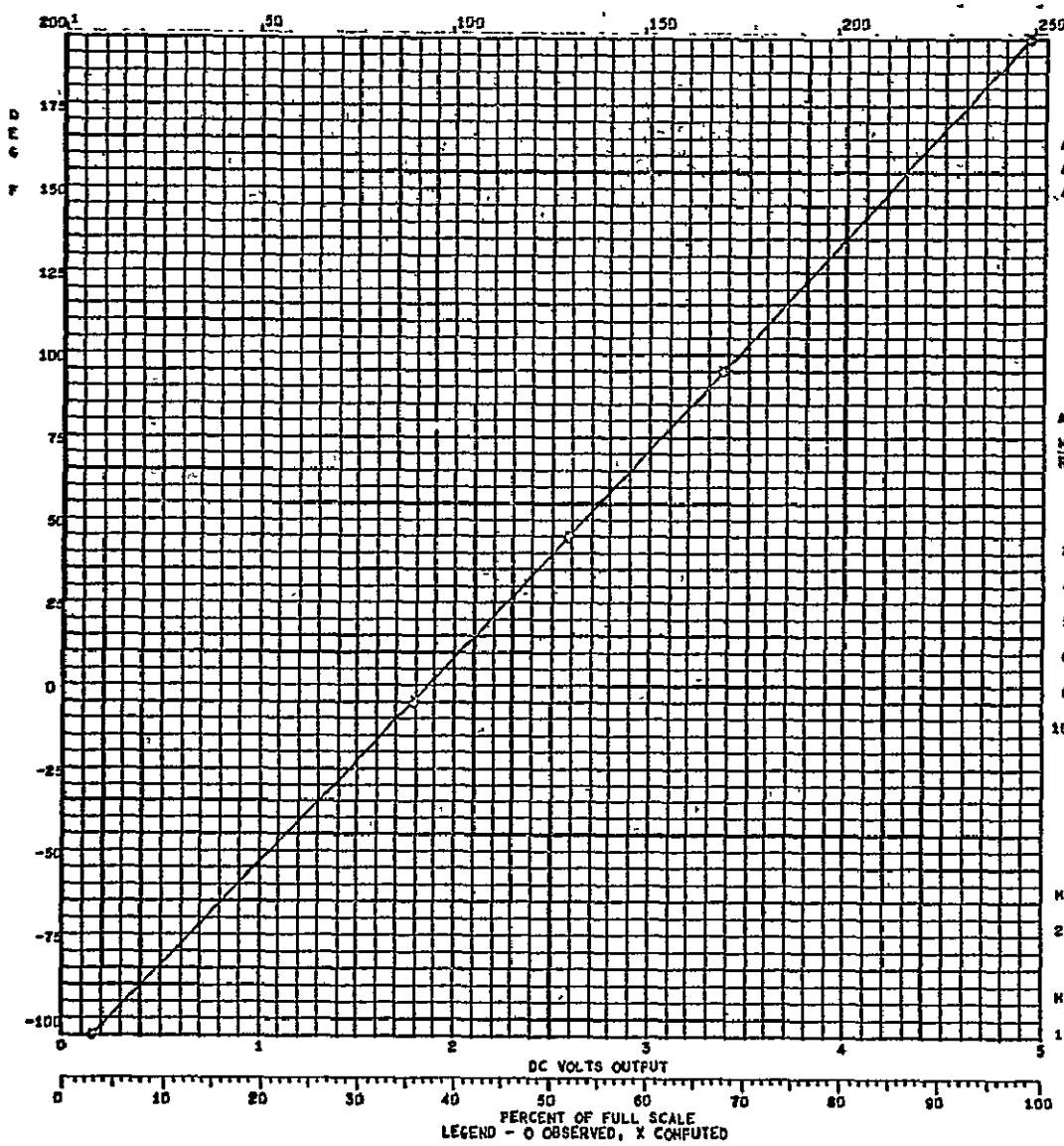
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 04696 07 00 00

SERIAL NO. 100954219355A

#21515



EQUATION COEFFICIENTS

A_0= -1.090 E 02

A_1= 6.001 E 01

A_2= 5.838 E-01

AL DEV= 0

MX DEV / RANGE = 0

0% =-1.090E 02

20% =-4.841E 01

40% = 1.334E 01

50% = 4.466E 01

60% = 7.627E 01

80% = 1.404E 02

100% = 2.056E 02

MEASUREMENT NO.

2003L1208T01

MEAS LOADING NO.

1104058 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

THP THRM ENVIR-GAMMA RAY STR

MEASUREMENT NO. 2005L1206T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10095421935A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-109.003	38	-64.815	75	-19.998	112	25.441	149	71.504	186	118.191	223	165.503
2	-107.817	39	-63.619	76	-18.778	113	26.677	150	72.757	187	119.462	224	166.790
3	-106.630	40	-62.406	77	-17.558	114	27.915	151	74.011	188	120.735	225	168.078
4	-105.443	41	-61.202	78	-16.337	115	29.152	152	75.266	189	122.004	226	169.367
5	-104.256	42	-59.998	79	-15.116	116	30.390	153	76.521	190	123.276	227	170.655
6	-103.068	43	-58 793	80	-13 894	117	31.629	154	77.776	191	124.548	228	171.944
7	-101.879	44	-57.588	81	-12.672	118	32.868	155	79.032	192	125.821	229	173.234
8	-100.690	45	-56.382	82	-11.449	119	34.107	156	80.289	193	127.094	230	174.524
9	-99.501	46	-55.176	83	-10.226	120	35.347	157	81.545	194	128.368	231	175.815
10	-98.311	47	-53.969	84	-9.003	121	36 588	158	82.803	195	129.642	232	177.106
11	-97.121	48	-52.762	85	-7.779	122	37 829	159	84.060	196	130.917	233	178.397
12	-95.930	49	-51.555	86	-6.555	123	39.070	160	85.319	197	132.192	234	179.689
13	-94.739	50	-50.347	87	-5.330	124	40.312	161	86.577	198	133.467	235	180.982
14	-93.548	51	-49.138	88	-4.104	125	41.554	162	87.836	199	134.743	236	182.274
15	-92.356	52	-47.929	89	-2.878	126	42.797	163	89.096	200	136.020	237	183.568
16	-91.163	53	-46.720	90	-1.652	127	44.040	164	90.356	201	137.296	238	184.861
17	-89.970	54	-45.510	91	-0.426	128	45.283	165	91.616	202	138.574	239	186.156
18	-88.777	55	-44.300	92	0.802	129	46.527	166	92.877	203	139.852	240	187.450
19	-87.583	56	-43.089	93	2.029	130	47.772	167	94.139	204	141.130	241	188.745
20	-86.388	57	-41.878	94	3.257	131	49 017	168	95.400	205	142.409	242	190.041
21	-85.194	58	-40.666	95	4.486	132	50.262	169	96.663	206	143.688	243	191.337
22	-83.998	59	-39.454	96	5.715	133	51.508	170	97.925	207	144.967	244	192.633
23	-82.803	60	-38.241	97	6.944	134	52.754	171	99.189	208	146 247	245	193.930
24	-81.607	61	-37.028	98	8.174	135	54.001	172	100.452	209	147.528	246	195.228
25	-80.410	62	-35 815	99	9.405	136	55.248	173	101.716	210	148.809	247	196.526
26	-79.213	63	-34.601	100	10.635	137	56 496	174	102.981	211	150.090	248	197.824
27	-78.015	64	-33.387	101	11.867	138	57.744	175	104.246	212	151.372	249	199.123
28	-76.817	65	-32.172	102	13.098	139	58.993	176	105.511	213	152.655	250	200.422
29	-75.619	66	-30.956	103	14.331	140	60.242	177	106.777	214	153.937	251	201.722
30	-74.420	67	-29.741	104	15.563	141	61.491	178	108.044	215	155.221	252	203.022
31	-73.221	68	-28.524	105	16.796	142	62.741	179	109.311	216	156.504	253	204.322
32	-72.021	69	-27.308	106	18.030	143	63.992	180	110.578	217	157.788	254	205.623
33	-70.821	70	-26.091	107	19.264	144	65 243	181	111.846	218	159.073		
34	-69.620	71	-24.873	108	20.498	145	66.494	182	113.114	219	160.358		
35	-68.419	72	-23.655	109	21.733	146	67.746	183	114.383	220	161.644		
36	-67.217	73	-22.436	110	22.969	147	68 998	184	115.652	221	162.930		
37	-66.015	74	-21.218	111	24.204	148	70.251	185	116.921	222	164.216		

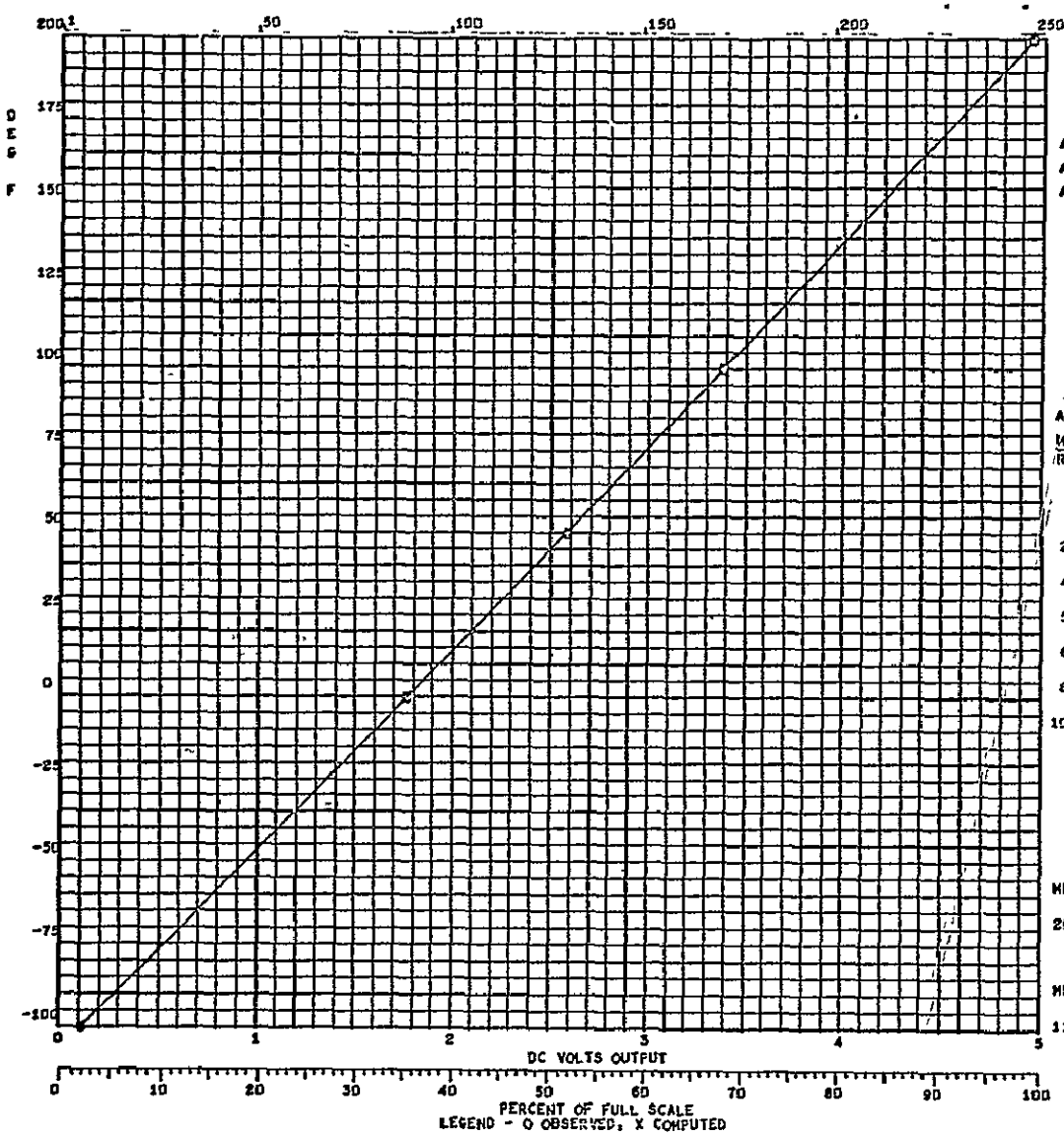
09/27/71
2 INSTALLATION DATE JUNE 11,1961
TMP THRM ENVIR-PAN C N2 LNE IN
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54871 02 00 00

SERIAL NO. 10308612547A

=23515



EQUATION COEFFICIENTS

A_0= -1.063 E 02
A_1= 5.692 E 01
A_2= 6.217 E-01

AL DEV= 0

MX DEV /RANGE= 0

0% =-1.063E 02
20% =-4.674E 01
40% = 1.405E 01
50% = 4.491E 01
60% = 7.608E 01
80% = 1.394E 02
100% = 2.039E 02

MEASUREMENT NO.
200SL1211T01

MEAS LOADING NO.
1194091 12

Change 2

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

THP THSH ENVIR-FAN C N2 LNE IN

MEASUREMENT NO. 200SL1211T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308512547A
SIGNAL CONDITIONER SERIAL NO
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 05/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-105.279	38	-62 862	75	-18.780	112	25.967	149	71.379	186	117.455	223	164.197
2	-105.114	39	-61.679	76	-17.579	113	27.186	150	72.615	187	118.710	224	165.469
3	-103.949	40	-60.496	77	-16.378	114	28.405	151	73.852	188	119.965	225	166.742
4	-102.783	41	-59.312	78	-15.176	115	29.624	152	75.090	189	121.220	226	168.016
5	-101.617	42	-58.128	79	-13.974	116	30.845	153	76.328	190	122.476	227	169.290
6	-100 451	43	-56.944	80	-12.772	117	32.065	154	77.567	191	123.733	228	170.564
7	-99.284	44	-55.758	81	-11.569	118	33.286	155	78.806	192	124.990	229	171.839
8	-98.116	45	-54.573	82	-10.365	119	34.508	156	80.045	193	126.247	230	173.114
9	-96.948	46	-53.387	83	-9.161	120	35.730	157	81.285	194	127.505	231	174.390
10	-95.779	47	-52.200	84	-7.956	121	36.952	158	82.525	195	128.764	232	175.667
11	-94.610	48	-51.013	85	-6.751	122	38.175	159	83.766	196	130.023	233	176.944
12	-93.441	49	-49.826	86	-5.546	123	39 399	160	85.008	197	131.282	234	178.221
13	-92.271	50	-48.638	87	-4.340	124	40.622	161	86.250	198	132.542	235	179.499
14	-91.100	51	-47.449	88	-3.134	125	41.847	162	87.492	199	133.802	236	180.777
15	-89.929	52	-46.260	89	-1.927	126	43.072	163	88.735	200	135.063	237	182.056
16	-88.758	53	-45.071	90	-0.719	127	44.297	164	89.978	201	136.324	238	183.335
17	-87.586	54	-43.881	91	0.489	128	45.523	165	91.222	202	137.586	239	184.615
18	-86.413	55	-42.690	92	1 697	129	46.749	166	92.467	203	138.849	240	185.895
19	-85.240	56	-41.499	93	2.906	130	47.976	167	93.711	204	140.111	241	187.176
20	-84.067	57	-40.308	94	4.115	131	49.204	168	94.957	205	141.375	242	188.457
21	-82.893	58	-39.116	95	5.325	132	50.431	169	96.203	206	142.638	243	189.739
22	-81.718	59	-37.924	96	6.536	133	51.660	170	97.449	207	143.903	244	191.021
23	-80.543	60	-36.731	97	7.746	134	52.889	171	98.696	208	145.167	245	192.304
24	-79.368	61	-35.538	98	8.958	135	54.118	172	99.943	209	146.433	246	193.587
25	-78.192	62	-34.344	99	10.170	136	55.348	173	101.191	210	147.698	247	194.871
26	-77.016	63	-33 149	100	11.382	137	56.578	174	102.439	211	148.964	248	196.155
27	-75.839	64	-31.955	101	12.595	138	57.809	175	103.687	212	150.231	249	197.440
28	-74.662	65	-30.759	102	13.808	139	59.040	176	104 937	213	151.498	250	198.725
29	-73.484	66	-29.564	103	15.022	140	60.272	177	106.186	214	152.766	251	200.010
30	-72.306	67	-28.367	104	16.236	141	61.504	178	107.437	215	154.034	252	201.297
31	-71.127	68	-27.171	105	17.451	142	62.736	179	108.687	216	155.303	253	202.583
32	-69.948	69	-25.973	106	18.666	143	63.970	180	109.938	217	156.572	254	203.870
33	-68.768	70	-24.776	107	19.881	144	65.203	181	111.190	218	157.841		
34	-67.588	71	-23.577	108	21 098	145	66.437	182	112.442	219	159.111		
35	-66.407	72	-22.379	109	22 314	146	67.672	183	113.695	220	160.382		
36	-65.226	73	-21.179	110	23.531	147	68.907	184	114.948	221	161.653		
37	-64.044	74	-19.980	111	24.749	148	70.143	185	116.201	222	162.925		

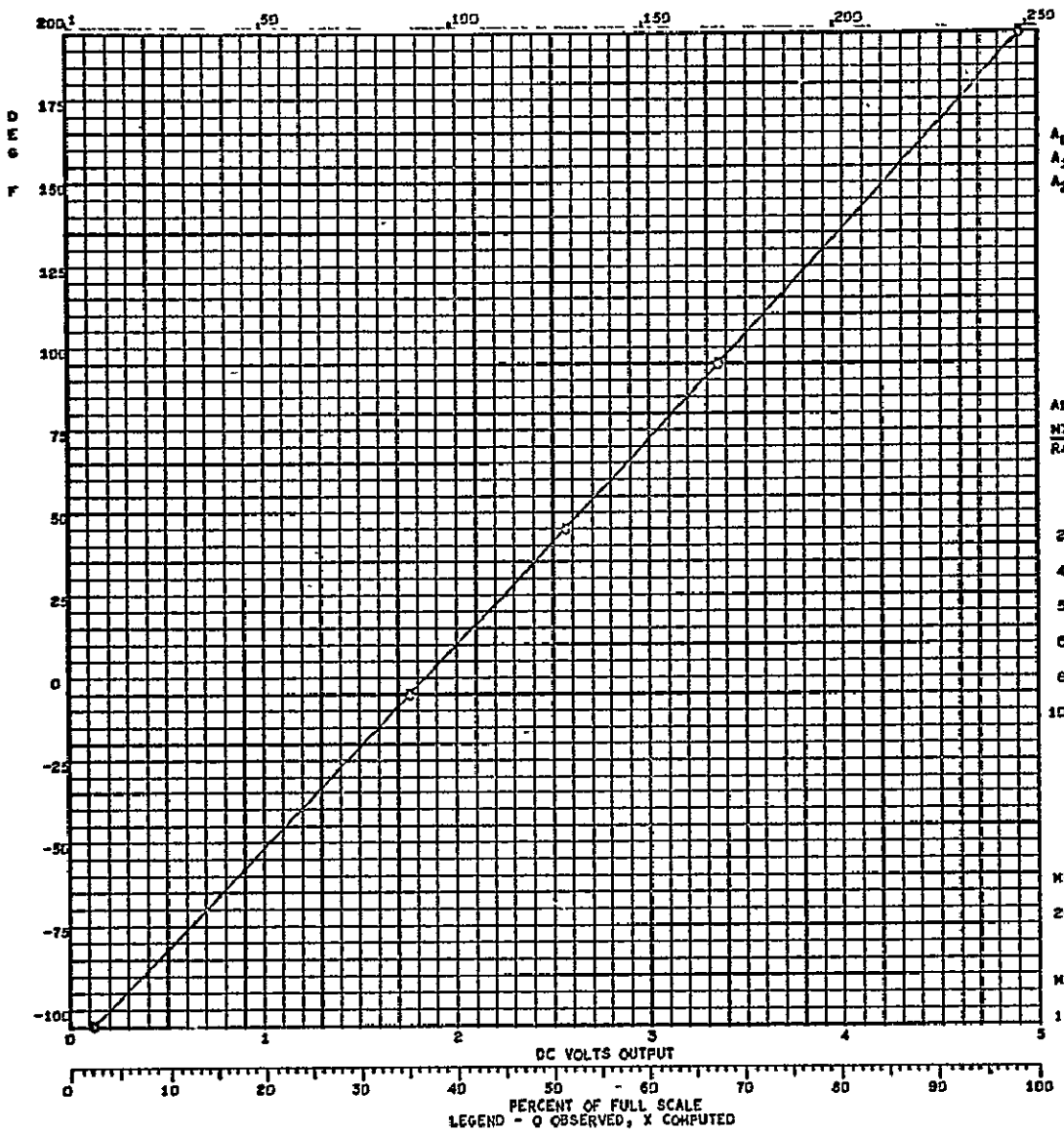
09/27/71
2 INSTALLATION DATE JUNE 11,1961
TMP THRM ENVIR-PAN CAHR N2 TK
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54875 02 00 00

SERIAL NO. 10308612552A

#21515



EQUATION COEFFICIENTS

A_0= -1.069 E 02
A_1= 5.966 E 01
A_2= 5.951 E-01

AL DEV= 0

$\frac{\text{NX DEV}}{\text{RANGE}}$= 0

0% = -1.069E 02
20% = -4.669E 01
40% = 1.476E 01
50% = 4.593E 01
60% = 7.740E 01
80% = 1.412E 02
100% = 2.062E 02

MEASUREMENT NO.
200SL1212T01

MEAS LOADING NO.
1104092 12

8 211

Change 2

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TMP THRM ENVIR-FAN CAHR N2 TK

MEASUREMENT NO. 2205L1212T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612552A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.949	38	-63 004	75	-18.422	112	26.795	149	72.650	186	119.140	223	166.267
2	-105.770	39	-61.807	76	-17.209	113	28.026	150	73.898	187	120 406	224	167.550
3	-104.590	40	-60.610	77	-15.994	114	29.258	151	75.146	188	121.671	225	168.835
4	-103.410	41	-59.413	78	-14.780	115	30.490	152	76.396	189	122.938	226	170.116
5	-102.229	42	-58.215	79	-13.565	116	31.722	153	77.645	190	124.204	227	171.400
6	-101.048	43	-57.017	80	-12.349	117	32.955	154	78.895	191	125.472	228	172.685
7	-99.866	44	-55 818	81	-11.133	118	34.188	155	80.146	192	126.739	229	173.970
8	-98.684	45	-54.618	82	-9.917	119	35.422	156	81.396	193	128.007	230	175.255
9	-97.501	46	-53.419	83	-8.700	120	36 656	157	82.648	194	129.276	231	176.541
10	-96 318	47	-52.218	84	-7.482	121	37.891	158	83.900	195	130.545	232	177.827
11	-95.135	48	-51 018	85	-6.264	122	39.126	159	85.152	196	131.815	233	179.114
12	-93.951	49	-49.816	86	-5.046	123	40 361	160	86 405	197	133.085	234	180.401
13	-92.766	50	-48.615	87	-3.827	124	41.597	161	87.658	198	134.355	235	181.688
14	-91.582	51	-47.413	88	-2.608	125	42.834	162	88.912	199	135 626	236	182.977
15	-90.396	52	-46 210	89	-1.388	126	44.071	163	90.166	200	136.897	237	184.265
16	-89.210	53	-45.007	90	-0.168	127	45.308	164	91.421	201	138.169	238	185.554
17	-88.024	54	-43.804	91	1.053	128	46.546	165	92.676	202	139.441	239	186.844
18	-86.837	55	-42.600	92	2.274	129	47.785	166	93.931	203	140.714	240	188.134
19	-85.650	56	-41.395	93	3.496	130	49.023	167	95.187	204	141.987	241	189.424
20	-84.462	57	-40.190	94	4.718	131	50.263	168	96.444	205	143.261	242	190.715
21	-83.274	58	-38.985	95	5.941	132	51.503	169	97.701	206	144.535	243	192 006
22	-82.085	59	-37.779	96	7.164	133	52.743	170	98.958	207	145 810	244	193.298
23	-80.896	60	-36.573	97	8.387	134	53.983	171	100.216	208	147.085	245	194.590
24	-79.707	61	-35.366	98	9.611	135	55.225	172	101.474	209	148.361	246	195.883
25	-78.517	62	-34.159	99	10.836	136	56.466	173	102.733	210	149.637	247	197.176
26	-77.326	63	-32.951	100	12.060	137	57.708	174	103.993	211	150.913	248	198.470
27	-76.135	64	-31.743	101	13.286	138	58.951	175	105.252	212	152.190	249	199.764
28	-74.944	65	-30.534	102	14.512	139	60.194	176	106.513	213	153.468	250	201.059
29	-73.752	66	-29.325	103	15.738	140	61.437	177	107.773	214	154.745	251	202.354
30	-72.560	67	-28.116	104	16.965	141	62.681	178	109.034	215	156.024	252	203 650
31	-71.367	68	-26.906	105	18.192	142	63.926	179	110.296	216	157.303	253	204.946
32	-70.173	69	-25.695	106	19.420	143	65.171	180	111.558	217	158.582	254	206.242
33	-68.980	70	-24.484	107	20.648	144	66.416	181	112.821	218	159.862		
34	-67.786	71	-23.273	108	21.876	145	67.662	182	114.084	219	161.142		
35	-66.591	72	-22 061	109	23.105	146	68.908	183	115.347	220	162.423		
36	-65.396	73	-20.849	110	24.335	147	70.155	184	116.611	221	163.704		
37	-64.200	74	-19.636	111	25.565	148	71.402	185	117.875	222	164.985		

8 212 Change 2

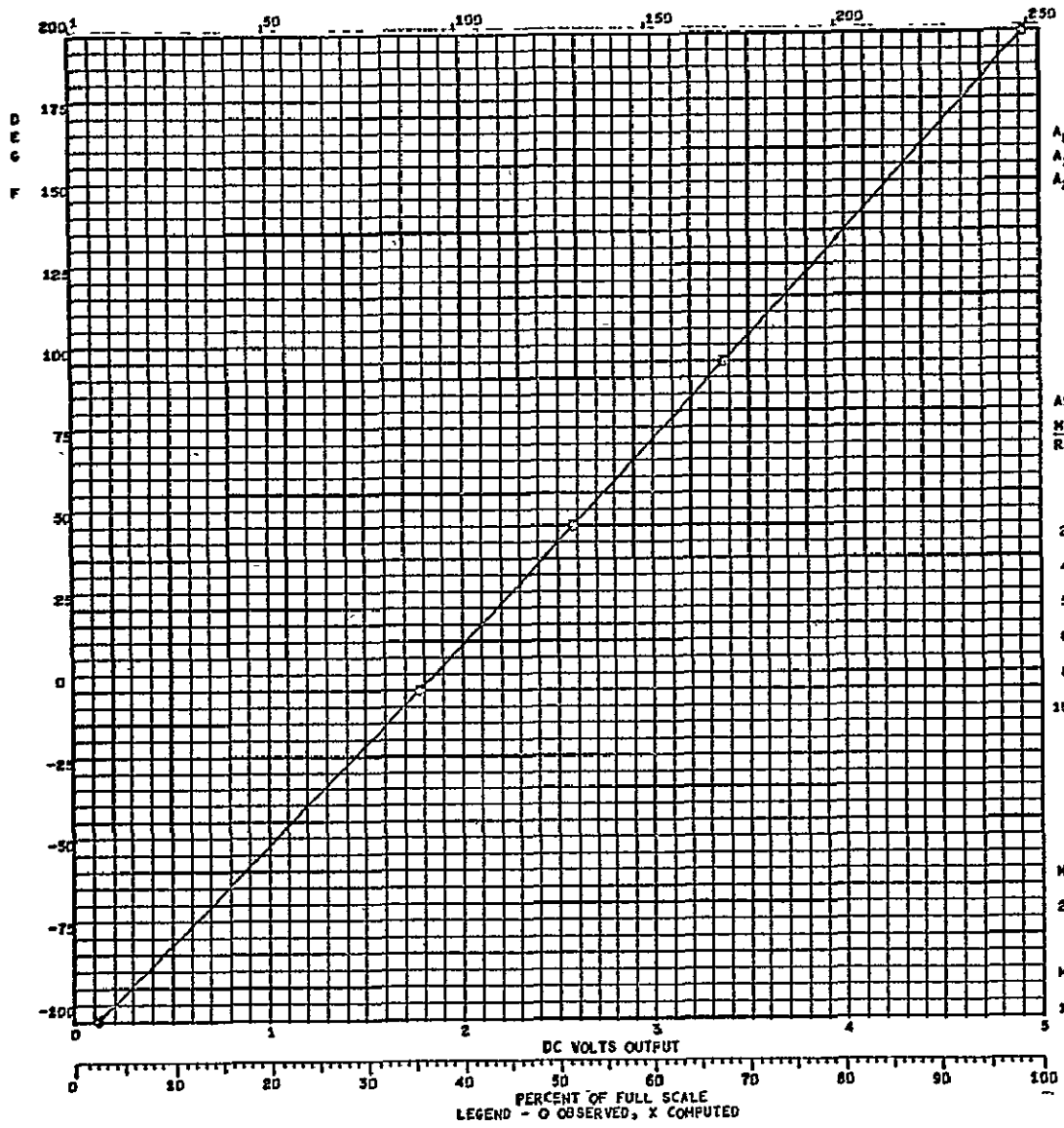
09/27/71
2 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-HCH BOX
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54727 02 00 00

SERIAL NO. 10308612543A

#21515



EQUATION COEFFICIENTS

A_0= -1.069 E 02
A_1= 5.902 E 01
A_2= 6.948 E-01

AL DEV= 0

MX DEV / RANGE = 0

0% =-1.069E 02
20% =-4.718E 01
40% = 1.392E 01
50% = 4.500E 01
60% = 7.641E 01
80% = 1.403E 02
100% = 2.056E 02

MEASUREMENT NO.
2009L1215T01

MEAS LOADING NO.
1105107 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR-MON BOX

MEASUREMENT NO. 200SL1215T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612543A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.885	38	-63.360	75	-19.092	112	25.919	149	71.673	186	118.170	223	165.410
2	-105.719	39	-62.174	76	-17.885	113	27.146	150	72.920	187	119.437	224	166.697
3	-104.552	40	-60.986	77	-16.678	114	28.373	151	74.167	188	120.704	225	167.984
4	-103.384	41	-59.799	78	-15.470	115	29.601	152	75.415	189	121.972	226	169.273
5	-102.216	42	-58.610	79	-14.262	116	30 829	153	76.664	190	123.241	227	170.561
6	-101.047	43	-57.421	80	-13.053	117	32.058	154	77.913	191	124.510	228	171.850
7	-99.878	44	-56.232	81	-11.844	118	33.288	155	79.162	192	125.780	229	173.140
8	-98.708	45	-55.042	82	-10 634	119	34.518	156	80.413	193	127.050	230	174.431
9	-97.537	46	-53.852	83	-9.423	120	35.749	157	81.663	194	128.321	231	175.721
10	-96.366	47	-52.661	84	-8.212	121	36.980	158	82.914	195	129.592	232	177.013
11	-95.195	48	-51.469	85	-7.000	122	38 212	159	84.166	196	130.864	233	178.305
12	-94.025	49	-50.277	86	-5.788	123	39.444	160	85.419	197	132.136	234	179.597
13	-92.850	50	-49.084	87	-4.575	124	40.677	161	86.671	198	133.409	235	180.890
14	-91.677	51	-47 891	88	-3.362	125	41.910	162	87.925	199	134.683	236	182.184
15	-90.504	52	-46.698	89	-2.148	126	43.144	163	89.179	200	135.957	237	183.478
16	-89.330	53	-45.503	90	-0.934	127	44.378	164	90.433	201	137.232	238	184.773
17	-88.155	54	-44.308	91	0.281	128	45.613	165	91.688	202	138.507	239	186.068
18	-86.980	55	-43.113	92	1.496	129	46.849	166	92.944	203	139.782	240	187.364
19	-85.804	56	-41.917	93	2.712	130	48.085	167	94.200	204	141.059	241	188.660
20	-84.627	57	-40.721	94	3.929	131	49.321	168	95.457	205	142.335	242	189.957
21	-83.450	58	-39.524	95	5.146	132	50.558	169	96.714	206	143.613	243	191.254
22	-82.273	59	-38.326	96	6.363	133	51.796	170	97.972	207	144.890	244	192.552
23	-81.095	60	-37.128	97	7.582	134	53.034	171	99.230	208	146.169	245	193.851
24	-79.917	61	-35.930	98	8.800	135	54.273	172	100.489	209	147.448	246	195.150
25	-78.737	62	-34.730	99	10.020	136	55.512	173	101.748	210	148.727	247	196.449
26	-77.558	63	-33.531	100	11.239	137	56.752	174	103.008	211	150.007	248	197.749
27	-76.378	64	-32.331	101	12.460	138	57.993	175	104.269	212	151.288	249	199.050
28	-75.197	65	-31.130	102	13 680	139	59.234	176	105.530	213	152.569	250	200.351
29	-74.016	66	-29.928	103	14.902	140	60.475	177	106.791	214	153.851	251	201.653
30	-72.834	67	-28.727	104	16.124	141	61.717	178	108.053	215	155.133	252	202.955
31	-71.652	68	-27.524	105	17.346	142	62.960	179	109.316	216	156.415	253	204.258
32	-70.469	69	-26.321	106	18.569	143	64.203	180	110.579	217	157.699	254	205.561
33	-69.285	70	-25.118	107	19.793	144	65.446	181	111.843	218	158.982		
34	-68.101	71	-23.914	108	21.017	145	66.691	182	113.107	219	160.267		
35	-66.917	72	-22.709	109	22.242	146	67.935	183	114.372	220	161.552		
36	-65.732	73	-21.504	110	23.467	147	69.181	184	115.637	221	162.837		
37	-64.546	74	-20.298	111	24.693	148	70.426	185	116.903	222	164.123		

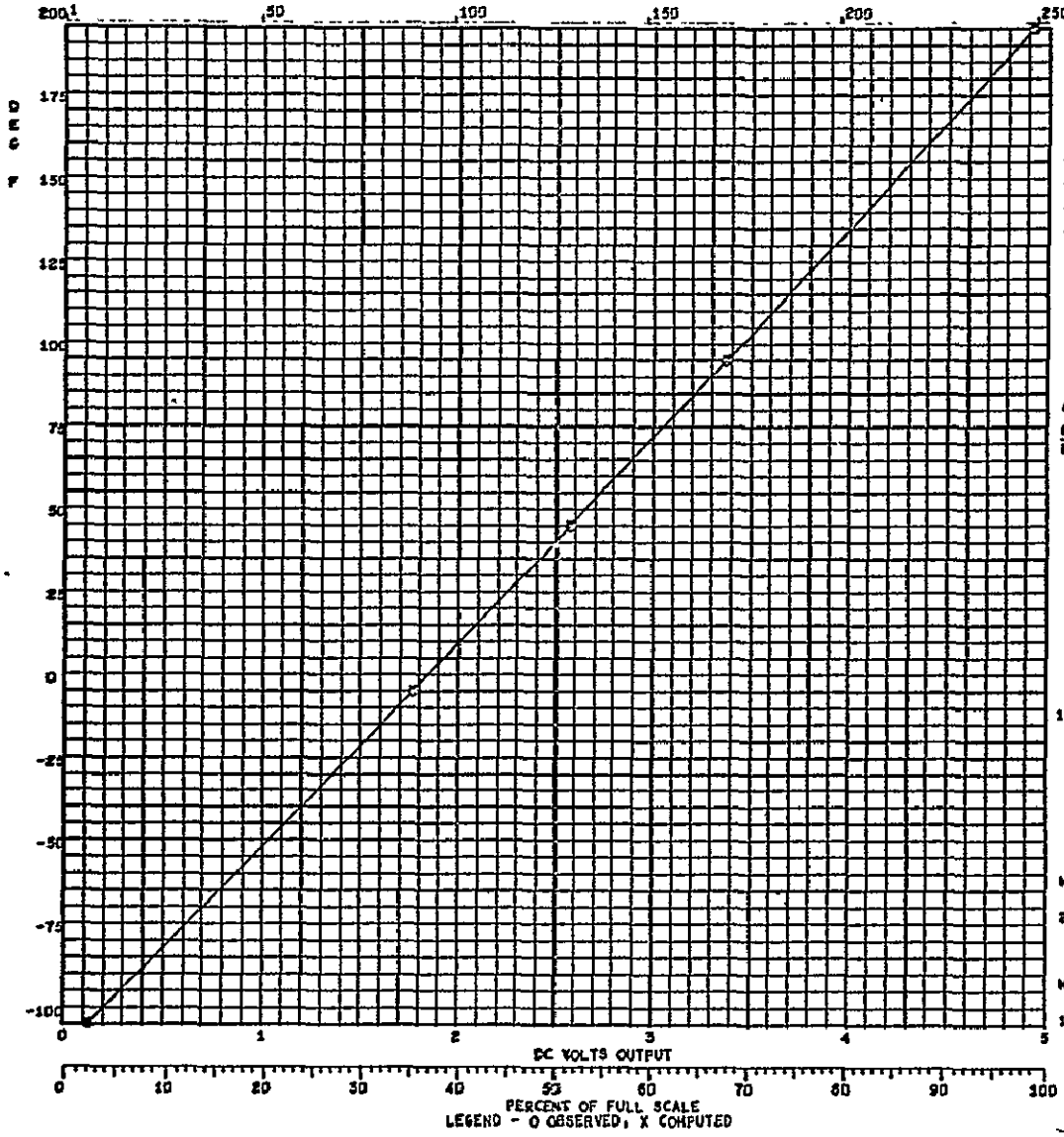
09/27/71
4 INSTALLATION DATE JUNE 11,1961
TEMP THRM ENVIR-BH 6 XS305,R62
CAL RANGE -100.000 TO 200.000

SC-113

HARDWARE CALIB. NO. 54872 02 00 00

SERIAL NO. 10308612540A

=21515



EQUATION COEFFICIENTS

A_0= -1.069 E 02
A_1= 5.663 E 01
A_2= 1.374 E 00
A_3= -3.505 E-01
A_4= 3.757 E-02

AL DEV= 0
MX DEV RANGE= 0

0% =-1.069E 02
20% =-4.699E 01
40% = 1.447E 01
50% = 4.552E 01
60% = 7.675E 01
80% = 1.400E 02
100% = 2.053E 02

MEASUREMENT NO.
200SL1217T01

MEAS LOADING NO.
1105124 12

**** CALIBRATION TABLE OF 8-BIT COUNTS VS ENGINEERING UNITS ****

TEMP THRM ENVIR-BH 6 XS305,R62

MEASUREMENT NO. 200SL1217T01
VEHICLE SC-113
TRANSDUCER SERIAL NO. 10308612548A
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 06/11/61

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	-106.680	38	-63.295	75	-18.699	112	26.473	149	72.045	186	118.090	223	164.953
2	-105.721	39	-62.101	76	-17.484	113	27.700	150	73.280	187	119.344	224	166 236
3	-104.560	40	-60.906	77	-16.269	114	28.926	151	74.518	188	120.598	225	167.520
4	-103.399	41	-59.710	78	-15.054	115	30.154	152	75.756	189	121.853	226	168.805
5	-102.236	42	-58.515	79	-13.838	116	31.381	153	76.994	190	123.109	227	170.091
6	-101.072	43	-57.316	80	-12.622	117	32.609	154	78.233	191	124.365	228	171.378
7	-99.907	44	-56.118	81	-11.405	118	33.837	155	79.472	192	125.622	229	172.666
8	-98.741	45	-54.919	82	-10.188	119	35 065	156	80.711	193	126.879	230	173.955
9	-97.573	46	-53.720	83	-8.971	120	36.293	157	81.951	194	128.137	231	175.246
10	-96.405	47	-52.520	84	-7.753	121	37.522	158	83.191	195	129.396	232	176.537
11	-95.235	48	-51.319	85	-6.535	122	38.751	159	84.432	196	130.655	233	177.830
12	-94.064	49	-50.118	86	-5.317	123	39.981	160	85.672	197	131.915	234	179.124
13	-92.893	50	-48.916	87	-4.098	124	41.210	161	86.914	198	133.176	235	180.419
14	-91.720	51	-47.714	88	-2 879	125	42.440	162	88.155	199	134.438	236	181.715
15	-90.546	52	-46.511	89	-1.659	126	43.670	163	89.397	200	135.700	237	183 012
16	-89.371	53	-45.307	90	-0.440	127	44.901	164	90.640	201	136.963	238	184.311
17	-88.195	54	-44.103	91	0.780	128	46.131	165	91.883	202	138.226	239	185.611
18	-87.019	55	-42.899	92	2.001	129	47.362	166	93.126	203	139.491	240	186.912
19	-85.841	56	-41.693	93	3.222	130	48.593	167	94.370	204	140.756	241	188.214
20	-84.662	57	-40.487	94	4.443	131	49.825	168	95.614	205	142.022	242	189.518
21	-83.482	58	-39.281	95	5.664	132	51.057	169	96.858	206	143.288	243	190.823
22	-82.302	59	-38.074	96	6.886	133	52.289	170	98.104	207	144.556	244	192.130
23	-81.120	60	-36.867	97	8.108	134	53.521	171	99.349	208	145.824	245	193.437
24	-79.938	61	-35.659	98	9.330	135	54.754	172	100.595	209	147.093	246	194.746
25	-78.754	62	-34.451	99	10.553	136	55.987	173	101.841	210	148.363	247	196.057
26	-77.570	63	-33.242	100	11.776	137	57.220	174	103.088	211	149.634	248	197.369
27	-76.385	64	-32.032	101	12.999	138	58.454	175	104.336	212	150 905	249	198.682
28	-75.199	65	-30.822	102	14 222	139	59.688	176	105.583	213	152.178	250	199.997
29	-74.012	66	-29.612	103	15.446	140	60.922	177	106.832	214	153.451	251	201.313
30	-72.825	67	-28.401	104	16.670	141	62.156	178	108.081	215	154.725	252	202.630
31	-71.636	68	-27.190	105	17.895	142	63.391	179	109.330	216	156.001	253	203.950
32	-70.447	69	-25.978	106	19.119	143	64.626	180	110.580	217	157.277	254	205.270
33	-69.257	70	-24.766	107	20.344	144	65.861	181	111.830	218	158.554		
34	-68.066	71	-23.554	108	21.569	145	67.097	182	113.081	219	159.832		
35	-66 875	72	-22.341	109	22.795	146	68.333	183	114.333	220	161.110		
36	-65.682	73	-21.127	110	24.021	147	69.569	184	115.585	221	162.390		
37	-64.489	74	-19.913	111	25.247	148	70.806	185	116.837	222	163.671		

8 2 6

Change 2

☆ U S GOVERNMENT PRINTING OFFICE 1972—779-262/616

APOLLO 16 OPERATIONAL CALIBRATION CURVES

VOLUME I CSM 113

Change Notice 3

Change Notice 3 comprises the third update to Apollo Operational Calibration Curves Volume I Calibration Curves for Command Service Module CSM 113. Incorporate Change Notice 3 into Volume I according to the instructions outlined below.

Delete the following pages:	Add the following pages:
Page No. ii Change 2	Page No. ii Change 3
vii Change 2	vii Change 3
	iiic Change 3
Section 1	
Page No. 1-1 Change 2	Page No. 1-1 Change 3
Section 5	
Page No. 5-091	Page No. 5-091 and 5-092 Change 3
5-101	5-101 and 5-102 Change 3
5-267 and 5-268	5-267 and 5-268 Change 3
Section 6	
Page No. 6-143 and 6-144 Chg. 1	Page No. 6-143 and 6-144 Change 3
6-181 thru 6-187	6-181 thru 6-187 Change 3
Section 7	
Page No. 7-041 and 7-042	Page No. 7-041 and 7-042 Change 3
7-065 thru 7-070	7-065 thru 7-070 Change 3
7-099 and 7-100	7-099 and 7-100 Change 3
7-143 and 7-144	7-143 and 7-144 Change 3
7-149	--
Section 8	
Page No. 8-049 Chg. 2	Page No. 8-049 and 8-050 Change 3
8-053 Chg. 2	8-053 and 8-054 Change 3
8-057 Chg. 2	8-057 and 8-058 Change 3
8-061 Chg. 2	8-061 and 8-062 Change 3
8-065 Chg. 2	8-065 and 8-066 Change 3
8-069 Chg. 2	8-069 and 8-070 Change 3
8-071 Chg. 2	8-071 and 8-072 Change 3
8-077 Chg. 2	8-077 and 8-078 Change 3
8-081 Chg. 2	8-081 and 8-082 Change 3
8-097 thru 8-104 Chg. 2	8-097 thru 8-104 Change 3
8-157 Chg. 2	8-157 and 8-158 Change 3
8-161 thru 8-165 Chg. 2	8-161 thru 8-166b Change 3
8-195 and 8-196 Chg. 2	8-195 and 8-196 Change 3

NOTICE OF CALIBRATION CHANGES

Calibrations for the measurement numbers listed below will be added in the next update to this document.

None.

CHANGE NOTICE 2 March 17, 1972

The effect of Change Notice 2 is as follows:

Section 8, Experiments was added in this update except for the measurements listed on page ii. SIM Bay environmental shelf temperature measurement calibration curves are redundantly listed in Section 6 and Section 8 for the convenience of the user.

CHANGE NOTICE 3 April 10, 1972

The effect of Change Notice 3 on the calibrations of the measurements listed below is as follows:

Command Module	Service Module	Onboard Displayed	Experiments
Revised	Revised	Revised	Revised
LS0200H01	SP0003P05	CF0072Q04	SL1092V02
	SP0655Q01	SC0040P03	SL1093V02
Added	SP0656Q01	SC0052P03	SL1094T11-800
	SP0657Q01	SC0052P02	SL1124T12-811
CF0072Q04	SP0658Q01	SC0053P02	SL1176Q21-800
CF0157R31		SF0263P02	
			Added
		Added	
			SL1056T21-800
		LS0200H01	SL1057T21-800
			SL1059T21-800
		Deleted	SL1060T21-800
			SL1061T21-800
		ST0620E	SL1067K02-800
			SL1068T21-800
			SL1070T21-800
			SL1071T21-800
			SL1124V41-810
			SL1124T22-811
			SL1124T12-812
			SL1124T22-812

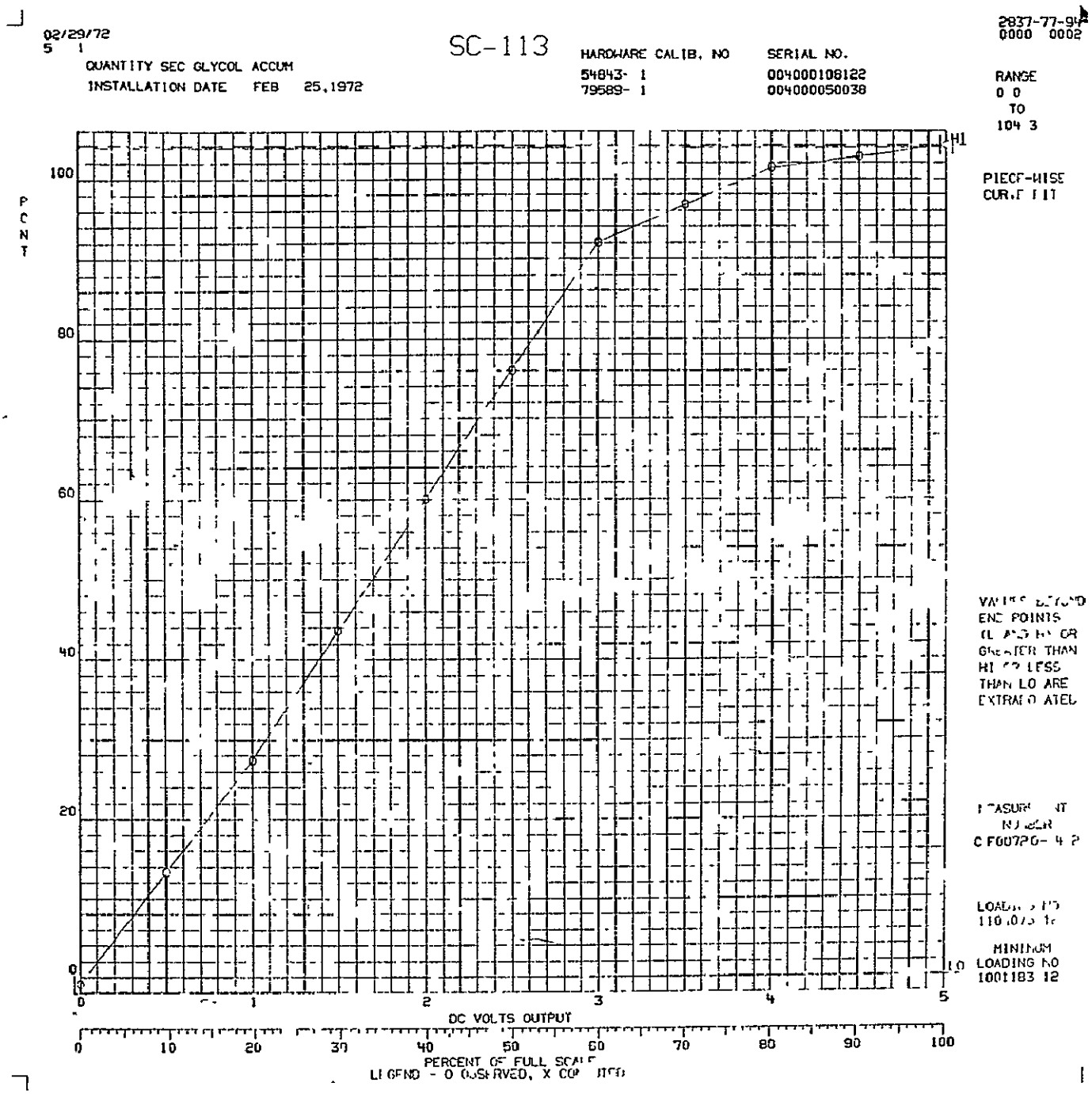
SECTION 1

INTRODUCTION

1.1 General

The measurement calibration curves presented in this document represent the latest available information at Houston, Texas as of April 10, 1972.

The calibration curves contained herein are arranged by vehicle stage in alphanumeric order of the measurement number.


02/29/72
5 1
QUANTITY SEC GLYCOL ACCUM
INSTALLATION DATE FEB 25,1972
SC-113
HARDWARE CALIB. NO
54843- 1
79589- 1
SERIAL NO.
004000108122
004000050038
2837-77-94
0000 0002
RANGE
0 0
TO
104 3
PIECE-WISE
CURVE FIT
PCNT
100
80
60
40
20
0
H1
L0
0
1
2
3
4
5
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED
MEASUREMENT
NUMBER
C F00720- 4 2
MINIMUM
LOADING NO
1001183 12

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 02/29/72

MEASUREMENT C F0072 Q - 4. 2. CALIBRATED 2/25/72

HARDWARE NUMBERS 54843- 1. VS. 79589- 1.

CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT	CNT	PCNT
1*	-0.8697	38	19.7903	75	42.4267	112	66.1388	149	89.6207	186	98.1794	223	102.5041
2*	-0.3113	39	20.3486	76	43.0696	113	66.7735	150	90.2553	187	98.3623	224	102.5624
3	0.2471	40	20.9070	77	43.7124	114	67.4081	151	90.8900	188	98.5451	225	102.6207
4	0.8054	41	21.4654	78	44.3556	115	68.0428	152	91.5246	189	98.7280	226	102.6790
5	1.3638	42	22.0238	79	44.9987	116	68.6775	153	92.0694	190	98.9108	227	102.7374
6	1.9222	43	22.5821	80	45.6418	117	69.3122	154	92.2553	191	99.0937	228	102.7957
7	2.4806	44	23.1405	81	46.2849	118	69.9468	155	92.4412	192	99.2765	229	102.8537
8	3.0389	45	23.6989	82	46.9280	119	70.5815	156	92.6271	193	99.4594	230	102.9110
9	3.5973	46	24.2573	83	47.5712	120	71.2162	157	92.8130	194	99.6422	231	102.9682
10	4.1557	47	24.8156	84	48.2143	121	71.8508	158	92.9988	195	99.8250	232	103.0255
11	4.7141	48	25.3740	85	48.8574	122	72.4855	159	93.1847	196	100.0079	233	103.0827
12	5.2725	49	25.9324	86	49.5005	123	73.1202	160	93.3706	197	100.1907	234	103.1400
13	5.8308	50	26.4908	87	50.1436	124	73.7548	161	93.5565	198	100.3736	235	103.1973
14	6.3892	51	27.0492	88	50.7867	125	74.3895	162	93.7423	199	100.5564	236	103.2545
15	6.9476	52	27.6413	89	51.4299	126	75.0242	163	93.9282	200	100.7393	237	103.3118
16	7.5060	53	28.2842	90	52.0730	127	75.6589	164	94.1141	201	100.9221	238	103.3691
17	8.0643	54	28.9270	91	52.7161	128	76.2935	165	94.3000	202	101.1050	239	103.4263
18	8.6227	55	29.5698	92	53.3592	129	76.9281	166	94.4858	203	101.2878	240	103.4836
19	9.1811	56	30.2127	93	54.0023	130	77.5628	167	94.6717	204	101.3959	241	103.5408
20	9.7395	57	30.8555	94	54.6455	131	78.1974	168	94.8576	205	101.4543	242	103.5981
21	10.2978	58	31.4984	95	55.2886	132	78.8320	169	95.0435	206	101.5126	243	103.6554
22	10.8562	59	32.1412	96	55.9317	133	79.4666	170	95.2294	207	101.5709	244	103.7126
23	11.4146	60	32.7841	97	56.5748	134	80.1013	171	95.4152	208	101.6292	245	103.7699
24	11.9730	61	33.4269	98	57.2179	135	80.7359	172	95.6011	209	101.6876	246	103.8272
25	12.5314	62	34.0698	99	57.8611	136	81.3705	173	95.7870	210	101.7459	247	103.8844
26	13.0897	63	34.7126	100	58.5042	137	82.0052	174	95.9729	211	101.8042	248	103.9417
27	13.6481	64	35.3554	101	59.1473	138	82.6398	175	96.1587	212	101.8625	249	103.9989
28	14.2065	65	35.9983	102	59.7904	139	83.2744	176	96.3446	213	101.9208	250	104.0562
29	14.7649	66	36.6411	103	60.4268	140	83.9090	177	96.5305	214	101.9792	251	104.1135
30	15.3232	67	37.2840	104	61.0614	141	84.5437	178	96.7164	215	102.0375	252	104.1707
31	15.8816	68	37.9268	105	61.6961	142	85.1783	179	96.8995	216	102.0958	253	104.2280
32	16.4400	69	38.5697	106	62.3308	143	85.8129	180	97.0824	217	102.1541	254U	104.2853
33	16.9984	70	39.2125	107	62.9654	144	86.4476	181	97.2652	218	102.2125		
34	17.5567	71	39.8553	108	63.6001	145	87.0822	182	97.4481	219	102.2708		
35	18.1151	72	40.4982	109	64.2348	146	87.7168	183	97.6309	220	102.3291		
36	18.6735	73	41.1410	110	64.8695	147	88.3514	184	97.8137	221	102.3874		
37	19.2319	74	41.7839	111	65.5041	148	88.9861	185	97.9966	222	102.4458		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.) (U --- CURVE UNDEFINED.)

5-092 Change 3

07/29/69
5 , 0

RATE GLY PRI COLDPLATE OUTLET
INSTALLATION DATE APR. 28,1969

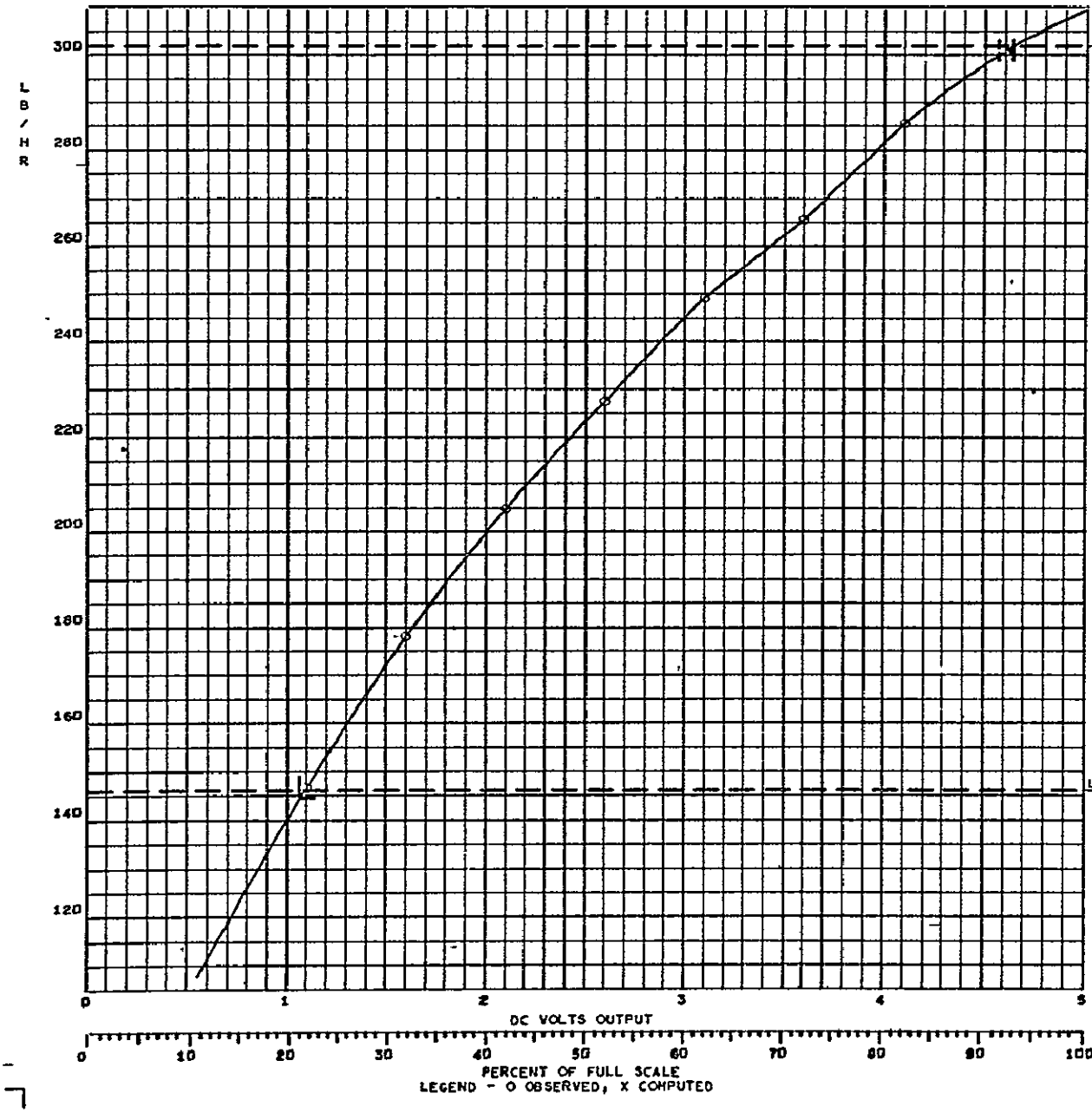
SC-113

HARDWARE CALIB. NO.
77050-30

SERIAL NO.
1024001490SS

0142-77-97
0000 0005

RANGE
146.0
TO
302.0



PIECE-WISE
CURVE FIT

VALUES BEYOND
END POINTS
(L AND H) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
C FD157R-31-2

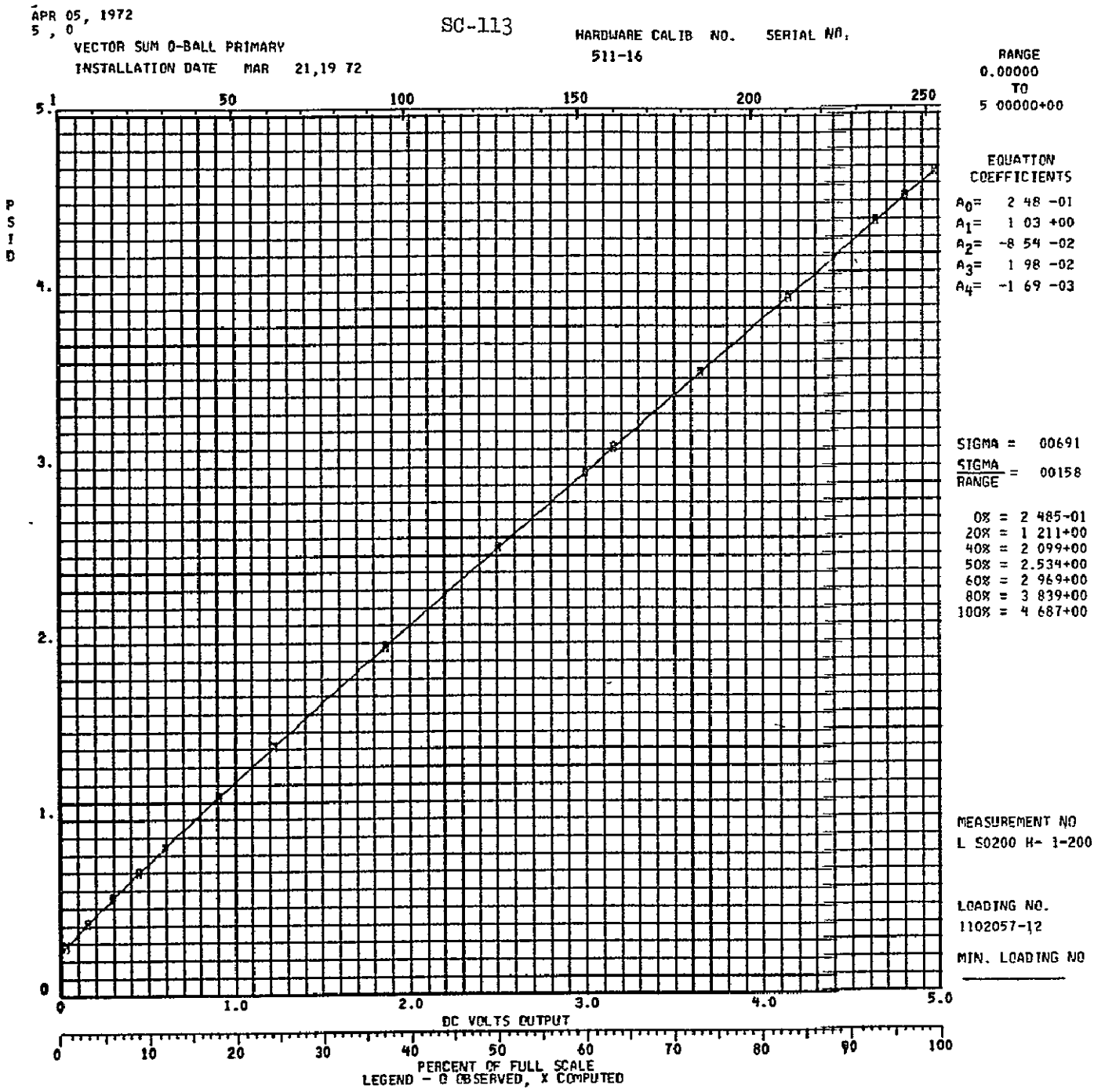
LOADING NO.
1103057 12

MINIMUM
LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS 07/29/69
MEASUREMENT C F0157 P - 31. 2. CALIBRATED 4/28/69
HARDWARE NUMBERS 77050- 30.

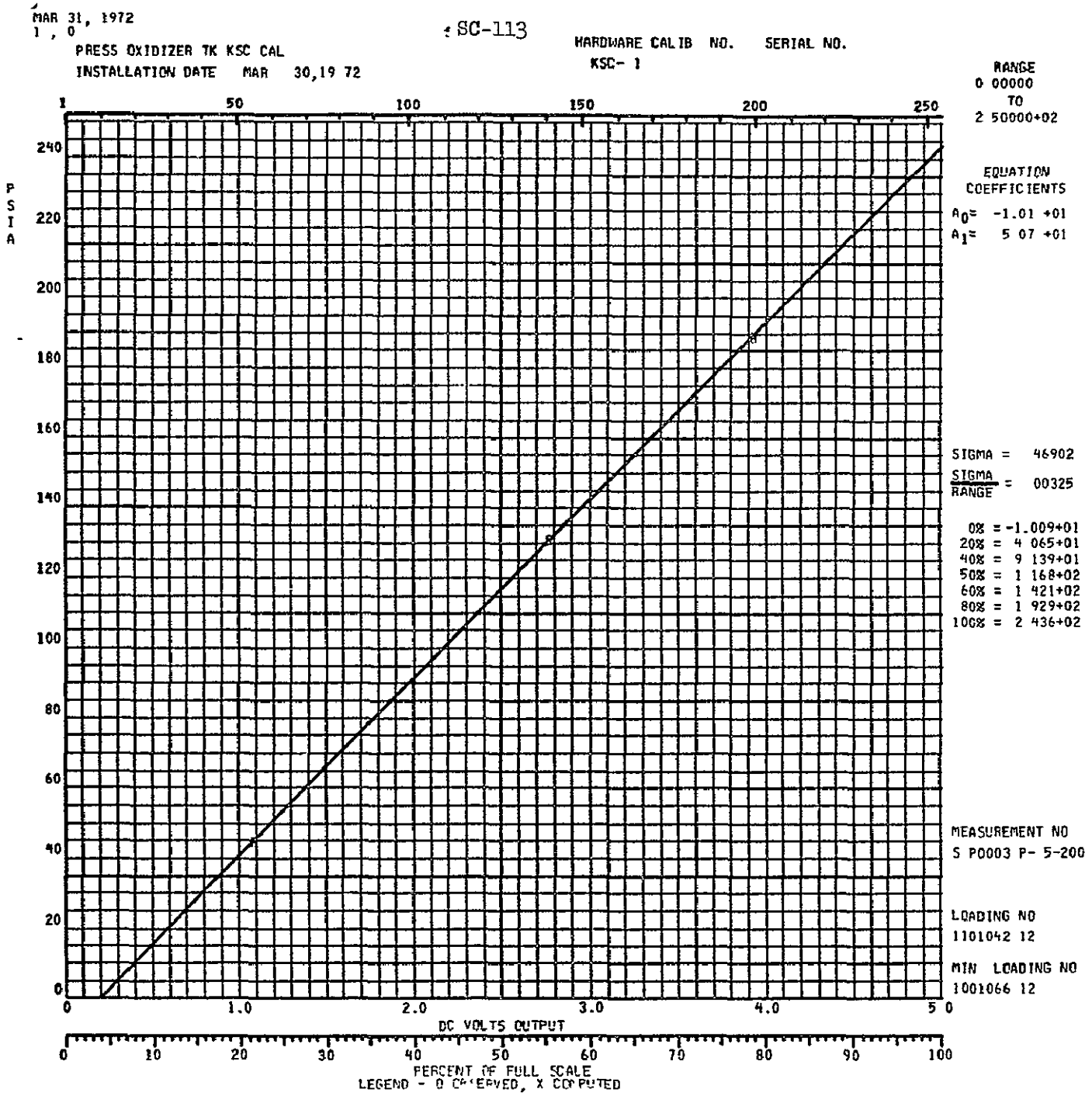
CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR	CNT	LB/HR
1U	63.1240	38U	121.1332	75	169.9456	112	209.4325	149	242.0537	186	267.9859	223	295.1343
2U	64.8127	39U	122.5734	76	171.1373	113	210.3559	150	242.8907	187	268.7891	224	295.7168
3U	66.4948	40U	124.0068	77	172.3222	114	211.2752	151	243.7228	188	269.5913	225	296.2917
4U	68.1701	41U	125.4336	78	173.5004	115	212.1904	152	244.5501	189	270.3926	226	296.8589
5U	69.8386	42U	126.8536	79	174.6718	116	213.1015	153	245.3725	190	271.1930	227	297.4184
6U	71.5005	43U	128.2669	80	175.8366	117	214.0086	154	246.1900	191	271.9925	228	297.9702
7U	73.1556	44U	129.6735	81	176.9946	118	214.9116	155	247.0026	192	272.7910	229	298.5145
8U	74.8041	45U	131.0733	82	178.1459	119	215.8105	156	247.8104	193	273.5887	230	299.0510
9U	76.4458	46U	132.4665	83	179.2905	120	216.7054	157	248.6134	194	274.3853	231	299.5799
10U	78.0808	47U	133.8529	84	180.4284	121	217.5961	158	249.4930	195	275.1811	232	300.1012
11U	79.7091	48U	135.2327	85	181.5595	122	218.4829	159	250.0564	196	275.9759	233	300.6148
12U	81.3306	49U	136.6057	86	182.6840	123	219.3656	160	250.7185	197	276.7698	234U	301.1207
13U	82.9455	50U	137.9719	87	183.8017	124	220.2442	161	251.3793	198	277.5628	235U	301.6190
14U	84.5536	51U	139.3315	88	184.9127	125	221.1188	162	252.0389	199	278.3548	236U	302.1097
15U	86.1550	52U	140.6843	89	186.0170	126	221.9894	163	252.6971	200	279.1459	237U	302.5926
16U	87.7497	53U	142.0305	90	187.1146	127	222.8559	164	253.3541	201	279.9360	238U	303.0680
17U	89.3376	54U	143.3699	91	188.2054	128	223.7183	165	254.0098	202	280.7251	239U	303.5356
18U	90.9189	55U	144.7025	92	189.2896	129	224.5767	166	254.6642	203	281.5133	240U	303.9956
19U	92.4934	56U	146.0285	93	190.3670	130	225.4311	167	255.3174	204	282.3006	241U	304.4480
20U	94.0612	57	147.3478	94	191.4377	131	226.2815	168	255.9693	205	283.0869	242U	304.8927
21U	95.6223	58	148.6603	95	192.5016	132	227.1278	169	256.6199	206	283.8722	243U	305.3297
22U	97.1767	59	149.9661	96	193.5589	133	228.0038	170	257.2693	207	284.6566	244U	305.7591
23U	98.7244	60	151.2653	97	194.6094	134	228.9181	171	257.9174	208	285.4400	245U	306.1809
24U	100.2653	61	152.5576	98	195.6533	135	229.8276	172	258.5643	209	286.1756	246U	306.5950
25U	101.7996	62	153.8433	99	196.6904	136	230.7323	173	259.2100	210	286.8653	247U	307.0014
26U	103.3271	63	155.1222	100	197.7208	137	231.6322	174	259.8543	211	287.5473	248U	307.4001
27U	104.8479	64	156.3945	101	198.7444	138	232.5272	175	260.4975	212	288.2217	249U	307.7913
28U	106.3619	65	157.6600	102	199.7614	139	233.4174	176	261.1394	213	288.8884	250U	308.1747
29U	107.8693	66	158.9188	103	200.7716	140	234.3028	177	261.7801	214	289.5474	251U	308.5505
30U	109.3699	67	160.1709	104	201.7752	141	235.1833	178	262.4196	215	290.1988	252U	308.9187
31U	110.8638	68	161.4162	105	202.7720	142	236.0591	179	263.0579	216	290.8425	253U	309.2792
32U	112.3510	69	162.6549	106	203.7621	143	236.9300	180	263.6949	217	291.4786	254U	309.6320
33U	113.8315	70	163.8868	107	204.7454	144	237.7960	181	264.3307	218	292.1070		
34U	115.3053	71	165.1120	108	205.6980	145	238.6573	182	264.9654	219	292.7278		
35U	116.7723	72	166.3305	109	206.6378	146	239.5136	183	265.5988	220	293.3409		
36U	118.2327	73	167.5423	110	207.5735	147	240.3652	184	266.3769	221	293.9464		
37U	119.6863	74	168.7473	111	208.5050	148	241.2118	185	267.1819	222	294.5442		

(U --- CURVE UNDEFINED.)


APR 05, 1972
5 , 0
VECTOR SUM 0-BALL PRIMARY
INSTALLATION DATE MAR 21,19 72
SC-113
HARDWARE CALIB NO. SERIAL NO.
511-16
RANGE
0.00000
TO
5 00000+00
EQUATION
COEFFICIENTS
A0= 2 48 -01
A1= 1 03 +00
A2= -8 54 -02
A3= 1 98 -02
A4= -1 69 -03
SIGMA = 00691
SIGMA/RANGE = 00158
0% = 2 485-01
20% = 1 211+00
40% = 2 099+00
50% = 2.534+00
60% = 2 969+00
80% = 3 839+00
100% = 4 687+00
MEASUREMENT NO
L S0200 H- 1-200
LOADING NO.
1102057-12
MIN. LOADING NO
PSID
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS APR 05, 1972
MEASUREMENT L S0200 H - 1. 200 CALIBRATED 3/21/72
HARDWARE NUMBERS 511- 16

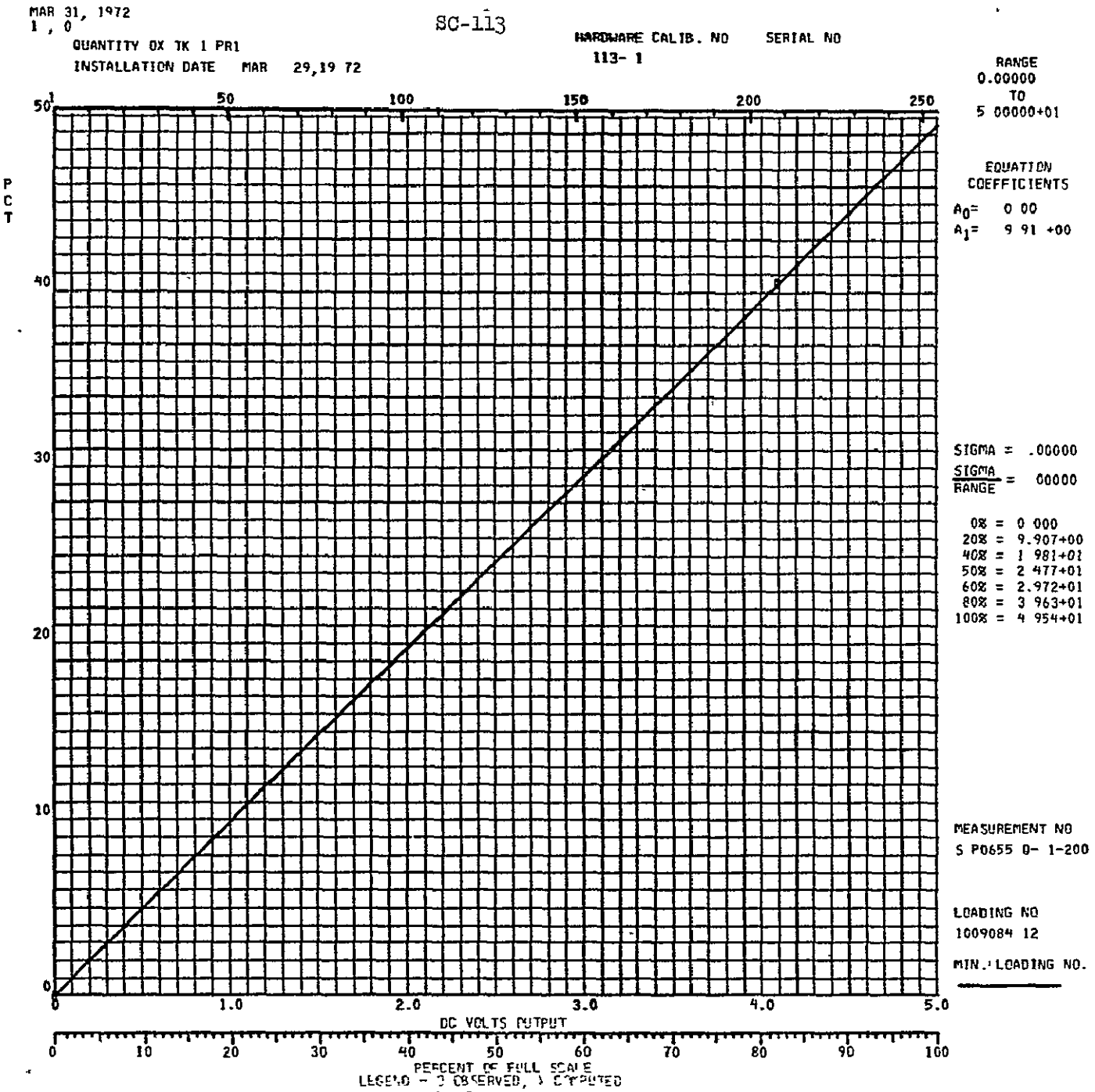
CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID	CNT	PSID
1	.248	38	963	75	1 627	112	2 268	149	2 904	186	3.541	223	4 173
2	269	39	982	76	1 644	113	2 285	150	2 921	187	3 558	224	4.190
3	289	40	1 000	77	1 662	114	2.302	151	2 938	188	3.575	225	4 207
4	309	41	1 019	78	1 679	115	2.319	152	2 955	189	3.592	226	4 223
5	329	42	1 037	79	1.697	116	2 336	153	2 972	190	3 609	227	4 240
6	349	43	1 055	80	1 714	117	2.354	154	2 990	191	3.627	228	4 257
7	369	44	1 074	81	1 732	118	2 371	155	3 007	192	3.644	229	4 274
8	389	45	1 092	82	1.749	119	2 388	156	3 024	193	3.661	230	4 291
9	.409	46	1.110	83	1.766	120	2 405	157	3 041	194	3.678	231	4 307
10	429	47	1 128	84	1 784	121	2 422	158	3 058	195	3 695	232	4 324
11	449	48	1 146	85	1.801	122	2 439	159	3 076	196	3 712	233	4 341
12	469	49	1 164	86	1.819	123	2 457	160	3.093	197	3 730	234	4 358
13	.488	50	1.182	87	1 836	124	2 474	161	3 110	198	3.747	235	4.374
14	508	51	1 201	88	1 853	125	2 491	162	3 127	199	3 764	236	4 391
15	527	52	1 219	89	1 871	126	2 508	163	3 145	200	3 781	237	4 408
16	547	53	1 237	90	1.888	127	2 525	164	3 162	201	3.798	238	4 424
17	566	54	1 255	91	1.905	128	2 543	165	3 179	202	3 815	239	4 441
18	.586	55	1 273	92	1 923	129	2 560	166	3 196	203	3 832	240	4 457
19	605	56	1 290	93	1.940	130	2 577	167	3 213	204	3.850	241	4 474
20	624	57	1 308	94	1 957	131	2 594	168	3 231	205	3.867	242	4 491
21	.643	58	1 326	95	1 975	132	2.611	169	3.248	206	3 884	243	4.507
22	663	59	1 344	96	1 992	133	2.628	170	3.265	207	3.901	244	4 523
23	682	60	1 362	97	2 009	134	2 646	171	3 282	208	3 918	245	4.540
24	701	61	1 380	98	2 026	135	2.663	172	3 300	209	3 935	246	4 556
25	720	62	1 397	99	2.044	136	2 680	173	3 317	210	3.952	247	4 573
26	739	63	1 415	100	2 061	137	2.697	174	3 334	211	3.969	248	4 589
27	758	64	1 433	101	2 078	138	2 714	175	3.351	212	3.986	249	4.605
28	777	65	1 451	102	2 095	139	2 732	176	3 368	213	4 003	250	4 622
29	796	66	1 468	103	2 113	140	2 749	177	3 386	214	4 020	251	4 638
30	814	67	1 486	104	2 130	141	2.766	178	3 403	215	4 037	252	4.654
31	833	68	1 504	105	2 147	142	2 783	179	3 420	216	4 054	253	4 671
32	852	69	1 521	106	2 164	143	2 800	180	3 437	217	4.071	254	4 687
33	.871	70	1.539	107	2 182	144	2 818	181	3 454	218	4.088		
34	889	71	1 556	108	2.199	145	2 835	182	3.472	219	4.105		
35	908	72	1 574	109	2.216	146	2 852	183	3.489	220	4.122		
36	926	73	1 592	110	2 233	147	2.869	184	3.506	221	4 139		
37	945	74	1 609	111	2 250	148	2 886	185	3.523	222	4 156		


MAR 31, 1972
1 , 0
PRESS OXIDIZER TK KSC CAL
INSTALLATION DATE MAR 30,19 72
SC-113
HARDWARE CALIB NO. SERIAL NO.
KSC- 1
RANGE
0 00000
TO
2 50000+02
EQUATION
COEFFICIENTS
A0= -1.01 +01
A1= 5 07 +01
SIGMA = 46902
SIGMA/RANGE = 00325
0% = -1.009+01
20% = 4 065+01
40% = 9 139+01
50% = 1 168+02
60% = 1 421+02
80% = 1 929+02
100% = 2 436+02
MEASUREMENT NO
S P0003 P- 5-200
LOADING NO
1101042 12
MIN LOADING NO
1001066 12
PSIA
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S P0003 P - 5 200 CALIBRATED 3/30/72
HARDWARE NUMBERS KSC- 1

CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA	CNT	PSIA
1*	-10 085	38	27 016	75	64.118	112	101.219	149	138 321	186	175 423	223	212.524
2*	-9 083	39	28 019	76	65 120	113	102 222	150	139 324	187	176 425	224	213.527
3*	-8 080	40	29 022	77	66 123	114	103 225	151	140 326	188	177 428	225	214.530
4*	-7.077	41	30 024	78	67 126	115	104 228	152	141 329	189	178 431	226	215.532
5*	-6.074	42	31 027	79	68.129	116	105 230	153	142.332	190	179 434	227	216.535
6*	-5.072	43	32 030	80	69.131	117	106.233	154	143 335	191	180 436	228	217.538
7*	-4.069	44	33 033	81	70 134	118	107 236	155	144 337	192	181 439	229	218 541
8*	-3 066	45	34 035	82	71.137	119	108 239	156	145 340	193	182 442	230	219 543
9*	-2 063	46	35 038	83	72.140	120	109 241	157	146 343	194	183 445	231	220.546
10*	-1.061	47	36 041	84	73.142	121	110 244	158	147.346	195	184 447	232	221.549
11*	-.058	48	37 044	85	74 145	122	111 247	159	148 348	196	185 450	233	222.552
12	945	49	38 046	86	75 148	123	112 250	160	149 351	197	186 453	234	223.554
13	1.947	50	39 049	87	76.151	124	113.252	161	150 354	198	187 456	235	224.557
14	2.950	51	40 052	88	77 153	125	114 255	162	151 357	199	188 458	236	225.560
15	3.953	52	41 055	89	78 156	126	115 258	163	152.359	200	189 461	237	226 563
16	4 956	53	42 057	90	79 159	127	116 261	164	153.362	201	190 464	238	227 565
17	5.958	54	43 060	91	80 162	128	117 263	165	154 365	202	191 466	239	228 568
18	6.961	55	44 063	92	81 164	129	118.266	166	155 368	203	192 469	240	229.571
19	7.964	56	45 066	93	82 167	130	119.269	167	156 370	204	193 472	241	230 574
20	8 967	57	46.068	94	83.170	131	120.272	168	157 373	205	194 475	242	231 576
21	9.969	58	47 071	95	84.173	132	121.274	169	158 376	206	195 477	243	232.579
22	10.972	59	48 074	96	85 175	133	122 277	170	159 379	207	196 480	244	233 582
23	11.975	60	49 077	97	86 178	134	123 280	171	160.381	208	197 483	245	234.585
24	12.978	61	50 079	98	87 181	135	124 283	172	161 384	209	198 486	246	235.587
25	13.980	62	51 082	99	88.184	136	125 285	173	162 387	210	199 488	247	236 590
26	14 983	63	52.085	100	89 186	137	126 288	174	163 390	211	200 491	248	237.593
27	15.986	64	53 088	101	90 189	138	127 291	175	164 392	212	201 494	249	238 596
28	16.989	65	54 090	102	91.192	139	128 293	176	165.395	213	202.497	250	239.598
29	17.991	66	55 093	103	92.195	140	129 296	177	166 398	214	203 499	251	240 601
30	18 994	67	56 096	104	93 197	141	130 299	178	167 401	215	204.502	252	241.604
31	19.997	68	57 099	105	94 200	142	131.302	179	168.403	216	205.505	253	242.607
32	21 000	69	58.101	106	95 203	143	132 304	180	169 406	217	206 508	254	243.609
33	22.002	70	59.104	107	96.206	144	133.307	181	170 409	218	207 510		
34	23.005	71	60 107	108	97 208	145	134.310	182	171 412	219	208 513		
35	24.008	72	61 110	109	98 211	146	135 313	183	172 414	220	209 516		
36	25.011	73	62.112	110	99.214	147	136.315	184	173 417	221	210.519		
37	26.013	74	63 115	111	100 217	148	137.318	185	174 420	222	211 521		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE)


MAR 31, 1972
1 , 0
QUANTITY OX TK 1 PR1
INSTALLATION DATE MAR 29,19 72
HARDWARE CALIB. NO SERIAL NO
113- 1
RANGE
0.00000
TO
5 00000+01
EQUATION
COEFFICIENTS
A0= 0 00
A1= 9 91 +00
SIGMA = .00000
SIGMA/RANGE = 00000
0% = 0 000
20% = 9.907+00
40% = 1 981+01
50% = 2 477+01
60% = 2.972+01
80% = 3 963+01
100% = 4 954+01
MEASUREMENT NO
S P0655 0- 1-200
LOADING NO
1009084 12
MIN. LOADING NO.
PCT
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S P0655 0 - 1. 200 CALIBRATED 3/29/72
HARDWARE NUMBERS 113- 1.

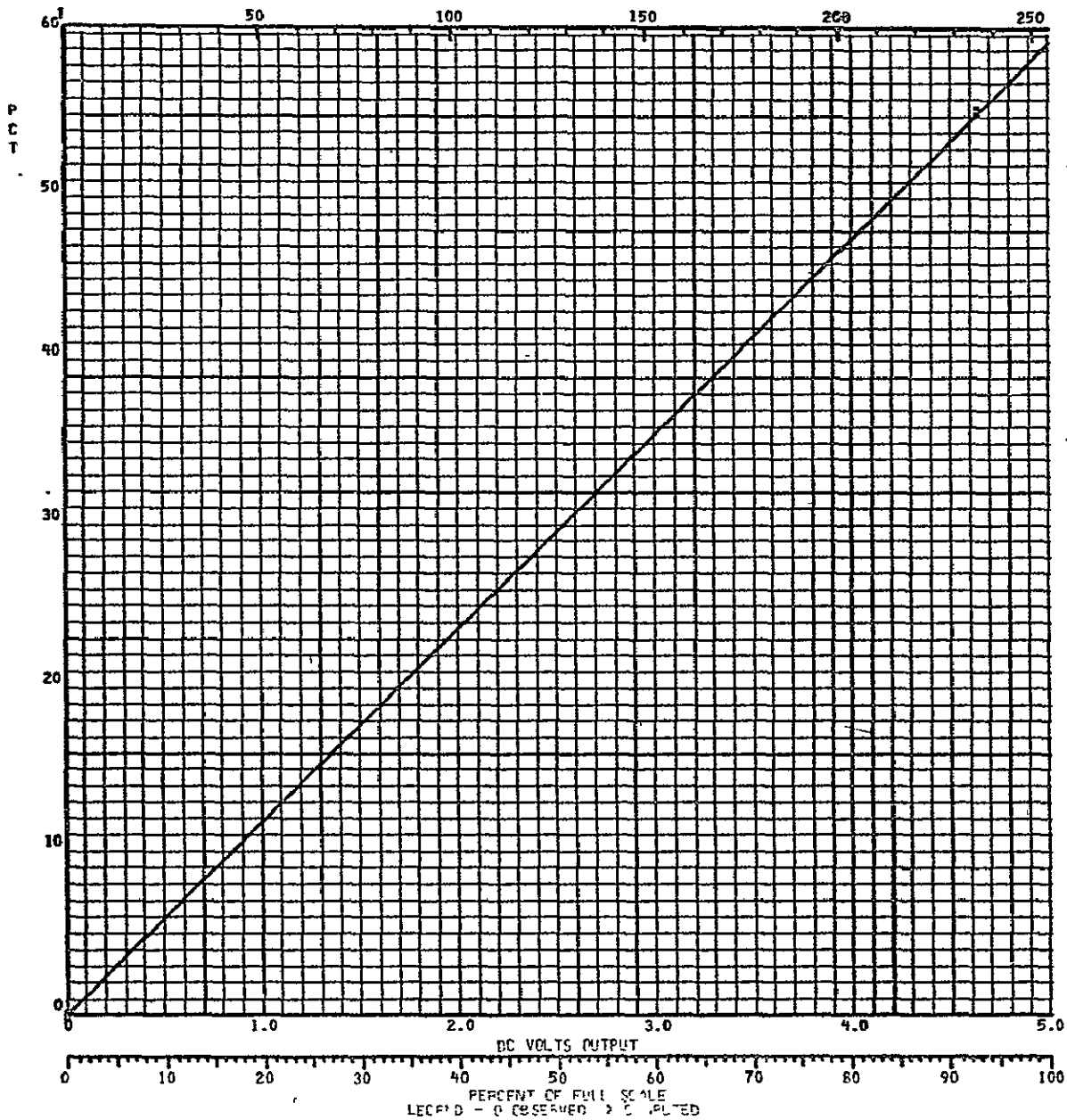
CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT
1	.000	38	7 244	75	14.489	112	21.733	149	28 977	186	36 222	223	43.466
2	196	39	7 440	76	14.684	113	21.929	150	29 173	187	36 417	224	43 662
3	392	40	7.636	77	14:880	114	22.125	151	29 369	188	36 613	225	43.857
4	.587	41	7 832	78	15 076	115	22.320	152	29.565	189	36 809	226	44 053
5	783	42	8 027	79	15.272	116	22.516	153	29 760	190	37.005	227	44.249
6	.979	43	8 223	80	15.468	117	22.712	154	29 956	191	37 201	228	44.445
7	1.175	44	8.419	81	15 663	118	22.908	155	30 152	192	37 396	229	44.641
8	1.371	45	8.615	82	15 859	119	23.103	156	30 348	193	37 592	230	44 836
9	1 566	46	8.811	83	16.055	120	23.299	157	30 544	194	37 788	231	45.032
10	1.762	47	9.006	84	16 251	121	23 495	158	30 739	195	37 984	232	45 228
11	1.958	48	9 202	85	16.447	122	23.691	159	30 935	196	38 179	233	45.424
12	2.154	49	9 398	86	16 642	123	23 887	160	31 131	197	38 375	234	45.620
13	2.350	50	9.594	87	16 838	124	24.082	161	31.327	198	38.571	235	45 815
14	2.545	51	9.790	88	17 034	125	24.278	162	31 523	199	38 767	236	46.011
15	2.741	52	9.985	89	17 230	126	24.474	163	31.718	200	38 963	237	46.207
16	2.937	53	10.181	90	17 426	127	24.670	164	31 914	201	39.158	238	46.403
17	3.133	54	10.377	91	17.621	128	24.866	165	32.110	202	39 354	239	46 599
18	3.328	55	10 573	92	17 817	129	25.061	166	32.306	203	39 550	240	46 794
19	3.524	56	10 769	93	18 013	130	25.257	167	32.502	204	39.746	241	46 990
20	3.720	57	10.964	94	18 209	131	25.453	168	32 697	205	39 942	242	47 186
21	3 916	58	11.160	95	18 404	132	25 649	169	32 893	206	40 137	243	47 382
22	4 112	59	11 356	96	18 600	133	25 845	170	33.089	207	40.333	244	47 578
23	4.307	60	11 552	97	18 796	134	26 040	171	33 285	208	40 529	245	47.773
24	4.503	61	11 748	98	18 992	135	26.236	172	33 480	209	40.725	246	47 969
25	4.699	62	11 943	99	19 188	136	26.432	173	33 676	210	40.921	247	48.165
26	4 895	63	12 139	100	19 383	137	26 628	174	33.872	211	41 116	248	48.361
27	5.091	64	12.335	101	19 579	138	26 824	175	34.068	212	41 312	249	48.556
28	5 286	65	12 531	102	19.775	139	27 019	176	34 264	213	41 508	250	48.752
29	5.482	66	12.726	103	19 971	140	27 215	177	34 459	214	41 704	251	48.948
30	5 678	67	12 922	104	20 167	141	27.411	178	34.655	215	41 900	252	49 144
31	5.874	68	13 118	105	20.362	142	27.607	179	34 851	216	42 095	253	49.340
32	6 070	69	13 314	106	20 558	143	27.803	180	35 047	217	42 291	254	49 535
33	6.265	70	13 510	107	20.754	144	27 998	181	35 243	218	42 487		
34	6.461	71	13 705	108	20 950	145	28 194	182	35.438	219	42 683		
35	6.657	72	13.901	109	21.146	146	28.390	183	35.634	220	42.879		
36	6.853	73	14 097	110	21.341	147	28.586	184	35 830	221	43.074		
37	7.049	74	14 293	111	21.537	148	28.781	185	36 026	222	43 270		

MAR 31, 1972
1 , 0

SC-113

QUANTITY OX TK 2 SEC
INSTALLATION DATE MAR. 29,19 72

HARDWARE CALIB. NO. SERIAL NO.
113- 2



RANGE
0.00000
TO
6 00000+01

EQUATION
COEFFICIENTS
A_0= 0 00
A_1= 1 19 +01

SIGMA = .0000
$\frac{\text{SIGMA}}{\text{RANGE}}$ = 0000

0% = 0.000
20% = 1 191+01
40% = 2.382+01
50% = 2.978+01
60% = 3 573+01
80% = 4 764+01
100% = 5 956+01

MEASUREMENT NO.
5 P0656 0- 1-200

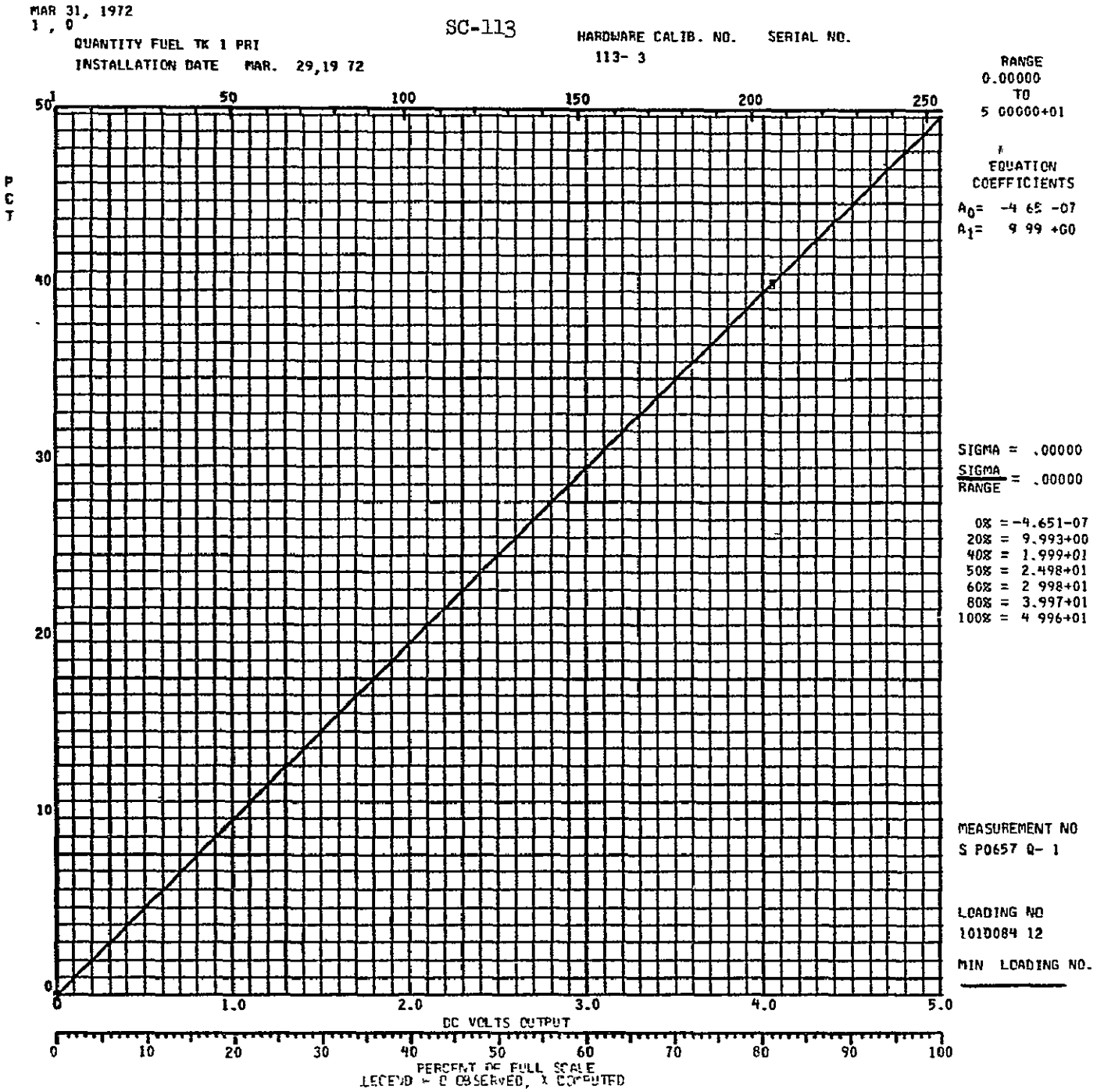
LOADING NO.
1010052 12

MIN. LOADING NO.

LEGEND - O OBSERVED > C PLOTTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S P0656 0 - 1. 200. CALIBRATED 3/29/72
HARDWARE NUMBERS 113- 2.

CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT
1	.000	38	8.710	75	17.420	112	26 129	149	34.839	186	43.549	223	52 259
2	235	39	8 945	76	17 655	113	26.365	150	35.075	187	43 784	224	52.494
3	.471	40	9 181	77	17 890	114	26 600	151	35 310	188	44 020	225	52.730
4	.706	41	9 416	78	18 126	115	26 836	152	35 545	189	44 255	226	52 965
5	942	42	9 651	79	18 361	116	27 071	153	35 781	190	44 491	227	53 200
6	1.177	43	9 887	80	18.597	117	27.306	154	36.016	191	44 726	228	53 436
7	1 412	44	10 122	81	18 832	118	27 542	155	36 252	192	44 961	229	53.671
8	1 648	45	10 358	82	19 067	119	27 777	156	36 487	193	45 197	230	53 907
9	1 883	46	10 593	83	19 303	120	28.013	157	36 722	194	45 432	231	54 142
10	2.119	47	10 828	84	19 538	121	28.248	158	36 958	195	45 668	232	54.377
11	2 354	48	11 064	85	19 774	122	28 483	159	37 193	196	45 903	233	54 613
12	2 589	49	11 299	86	20 009	123	28 719	160	37.429	197	46 138	234	54 848
13	2 825	50	11 535	87	20 244	124	28 954	161	37 664	198	46 374	235	55 084
14	3 060	51	11 770	88	20 480	125	29 190	162	37 899	199	46 609	236	55 319
15	3 296	52	12 005	89	20 715	126	29 425	163	38 135	200	46 845	237	55 554
16	3.531	53	12 241	90	20 951	127	29 660	164	38 370	201	47 080	238	55 790
17	3.766	54	12 476	91	21 186	128	29 896	165	38 606	202	47.315	239	56 025
18	4 002	55	12.712	92	21.421	129	30 131	166	38 841	203	47 551	240	56 261
19	4 237	56	12 947	93	21 657	130	30 367	167	39 076	204	47 786	241	56 496
20	4.473	57	13.182	94	21.892	131	30 602	168	39 312	205	48 022	242	56 731
21	4 708	58	13.418	95	22.128	132	30.837	169	39 547	206	48 257	243	56 967
22	4 943	59	13 653	96	22 363	133	31 073	170	39 783	207	48 492	244	57 202
23	5 179	60	13 889	97	22.598	134	31 308	171	40 018	208	48 728	245	57 438
24	5.414	61	14 124	98	22 834	135	31 544	172	40 253	209	48 963	246	57.673
25	5 650	62	14 359	99	23 069	136	31 779	173	40 489	210	49 199	247	57 908
26	5.885	63	14.595	100	23 305	137	32 014	174	40 724	211	49 434	248	58 144
27	6 120	64	14 830	101	23.540	138	32 250	175	40 960	212	49 669	249	58.379
28	6 356	65	15 066	102	23 775	139	32.485	176	41 195	213	49 905	250	58 615
29	6.591	66	15 301	103	24 011	140	32 721	177	41 430	214	50 140	251	58 850
30	6.827	67	15.536	104	24 246	141	32 956	178	41 666	215	50 376	252	59 085
31	7 062	68	15.772	105	24 482	142	33 191	179	41 901	216	50 611	253	59 321
32	7.297	69	16 007	106	24.717	143	33 427	180	42 137	217	50 846	254	59.556
33	7 533	70	16.243	107	24.952	144	33 662	181	42 372	218	51.082		
34	7 768	71	16.478	108	25 188	145	33 898	182	42 607	219	51 317		
35	8.004	72	16.713	109	25.423	146	34.133	183	42 843	220	51 553		
36	8 239	73	16 949	110	25 659	147	34 368	184	43 078	221	51 788		
37	8.474	74	17.184	111	25.894	148	34 604	185	43 314	222	52.023		


MAR 31, 1972
1 , 0
QUANTITY FUEL TK 1 PRI
INSTALLATION DATE MAR. 29,19 72
HARDWARE CALIB. NO. SERIAL NO.
113- 3
RANGE
0.00000
TO
5 00000+01
EQUATION
COEFFICIENTS
A_0= -4 65 -07
A_1= 9 99 +00
SIGMA = .00000
SIGMA / RANGE = .00000
0% =-4.651-07
20% = 9.993+00
40% = 1.999+01
50% = 2.498+01
60% = 2 998+01
80% = 3.997+01
100% = 4 996+01
MEASUREMENT NO
S P0657 0- 1
LOADING NO
1010084 12
MIN LOADING NO.
PCT
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND = O OBSERVED, X COMPUTED

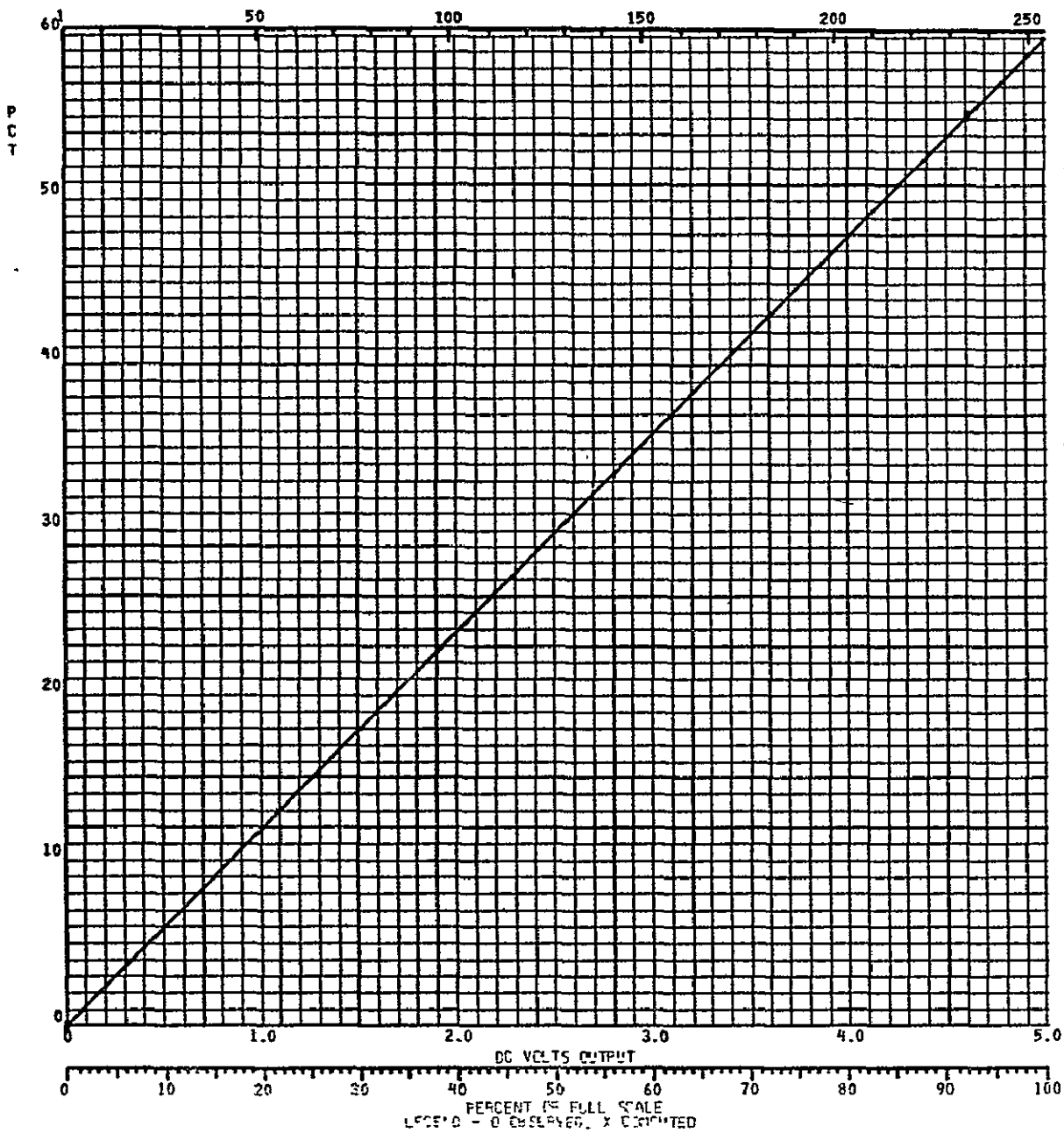
VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S P0657 0 - 1 113 CALIBRATED 3/29/72
HARDWARE NUMBERS 113- 3.

CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT
1*	- 000	38	7 307	75	14 614	112	21.921	149	29.227	186	36.534	223	43.841
2	.197	39	7 504	76	14 811	113	22 118	150	29 425	187	36.732	224	44.039
3	.395	40	7.702	77	15.009	114	22.315	151	29.622	188	36.929	225	44.236
4	.592	41	7.899	78	15.206	115	22.513	152	29.820	189	37 127	226	44.433
5	.790	42	8.097	79	15 404	116	22.710	153	30.017	190	37.324	227	44.631
6	.987	43	8 294	80	15 601	117	22 908	154	30.215	191	37 522	228	44.828
7	1.185	44	8 492	81	15 799	118	23 105	155	30.412	192	37 719	229	45 026
8	1.382	45	8.689	82	15 996	119	23.303	156	30.610	193	37 917	230	45.223
9	1.580	46	8 887	83	16.194	120	23.500	157	30.807	194	38 114	231	45.421
10	1.777	47	9.084	84	16.391	121	23.698	158	31.005	195	38 312	232	45.618
11	1.975	48	9.282	85	16 588	122	23 895	159	31.202	196	38 509	233	45 816
12	2.172	49	9.479	86	16 786	123	24.093	160	31 400	197	38 706	234	46 013
13	2 370	50	9.677	87	16.983	124	24.290	161	31.597	198	38 904	235	46.211
14	2.567	51	9.874	88	17.181	125	24.488	162	31.795	199	39 101	236	46.408
15	2.765	52	10.072	89	17 378	126	24.685	163	31.992	200	39 299	237	46.606
16	2.962	53	10.269	90	17.576	127	24.883	164	32.190	201	39 496	238	46.803
17	3 160	54	10 467	91	17.773	128	25 080	165	32 387	202	39 694	239	47 001
18	3.357	55	10.664	92	17 971	129	25.278	166	32.585	203	39 891	240	47.198
19	3.555	56	10.862	93	18 168	130	25.475	167	32.782	204	40 089	241	47.396
20	3.752	57	11 059	94	18.366	131	25.673	168	32.980	205	40 286	242	47.593
21	3.950	58	11 256	95	18.563	132	25.870	169	33.177	206	40 484	243	47.791
22	4 147	59	11 454	96	18 761	133	26 068	170	33 374	207	40 681	244	47.988
23	4 345	60	11.651	97	18.958	134	26.265	171	33.572	208	40 879	245	48.186
24	4.542	61	11.849	98	19.156	135	26.463	172	33.769	209	41 076	246	48.383
25	4 740	62	12.046	99	19.353	136	26.660	173	33.967	210	41.274	247	48.581
26	4 937	63	12.244	100	19 551	137	26.858	174	34.164	211	41 471	248	48.778
27	5.135	64	12 441	101	19 748	138	27 055	175	34.362	212	41 669	249	48.976
28	5.332	65	12 639	102	19 946	139	27.253	176	34 559	213	41 866	250	49 173
29	5.529	66	12.836	103	20 143	140	27.450	177	34.757	214	42.064	251	49.371
30	5.727	67	13.034	104	20.341	141	27.647	178	34.954	215	42 261	252	49.568
31	5.924	68	13.231	105	20.538	142	27.845	179	35.152	216	42 459	253	49.765
32	6.122	69	13 429	106	20.736	143	28.042	180	35.349	217	42 656	254	49.963
33	6.319	70	13 626	107	20 933	144	28.240	181	35.547	218	42 854		
34	6.517	71	13 824	108	21.131	145	28.437	182	35.744	219	43 051		
35	6.714	72	14.021	109	21.328	146	28.635	183	35.942	220	43 249		
36	6.912	73	14.219	110	21.526	147	28.832	184	36.139	221	43 446		
37	7.109	74	14.416	111	21 723	148	29 030	185	36.337	222	43 644		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE)

MAR 31, 1972
1 , 0
QUANTITY FUEL TK 2 SEC
INSTALLATION DATE MAR. 29,19 72

HARDWARE CALIB. NO. SERIAL NO
113- 4



RANGE
0.00000
TO
6 00000+01

EQUATION
COEFFICIENTS
A_0= 0 00
A_1= 1 20 +01

SIGMA = 00000
SIGMA / RANGE = 00000

0% = 0.000
20% = 1 198+01
40% = 2 396+01
50% = 2.995+01
60% = 3 594+01
80% = 4 793+01
100% = 5 991+01

MEASUREMENT NO.
S P0658 0- 1-200

LOADING NO.
1011052 12

MIN. LOADING NO.

VEHICLE SC-113 TABLE OF COUNTS VS-ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S P0658 0 - 1. 200. CALIBRATED 3/29/72
HARDWARE NUMBERS 113- 4.

CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT	CNT	PCT
1	.000	38	8.761	75	17 522	112	26.283	149	35.044	186	43 805	223	52 566
2	.237	39	8.998	76	17 759	113	26.520	150	35.281	187	44.042	224	52.803
3	.474	40	9.235	77	17.996	114	26.757	151	35.518	188	44.279	225	53 040
4	.710	41	9.471	78	18.232	115	26 994	152	35.755	189	44.516	226	53 277
5	.947	42	9.708	79	18 469	116	27.230	153	35.991	190	44.752	227	53.513
6	1.184	43	9.945	80	18 706	117	27.467	154	36.228	191	44.989	228	53.750
7	1.421	44	10.182	81	18 943	118	27.704	155	36.465	192	45.226	229	53 987
8	1.657	45	10.419	82	19 180	119	27 941	156	36 702	193	45 463	230	54.224
9	1.894	46	10.655	83	19.416	120	28.177	157	36.939	194	45.700	231	54.461
10	2.131	47	10.892	84	19 653	121	28.414	158	37 175	195	45 936	232	54.697
11	2.368	48	11.129	85	19 890	122	28 651	159	37 412	196	46 173	233	54.934
12	2.605	49	11.366	86	20 127	123	28 888	160	37 649	197	46.410	234	55.171
13	2.841	50	11.602	87	20 364	124	29 125	161	37 886	198	46 647	235	55.408
14	3.078	51	11.839	88	20 600	125	29 361	162	38.122	199	46 883	236	55.645
15	3.315	52	12.076	89	20 837	126	29 598	163	38 359	200	47 120	237	55.881
16	3.552	53	12.313	90	21 074	127	29 835	164	38 596	201	47 357	238	56.118
17	3 789	54	12.550	91	21 311	128	30 072	165	38 833	202	47 594	239	56.355
18	4 025	55	12.786	92	21 547	129	30 309	166	39 070	203	47 831	240	56 592
19	4.262	56	13.023	93	21.784	130	30.545	167	39 306	204	48.067	241	56 828
20	4.499	57	13 260	94	22 021	131	30 782	168	39 543	205	48 304	242	57.065
21	4.736	58	13 497	95	22 258	132	31 019	169	39 780	206	48 541	243	57 302
22	4 972	59	13.734	96	22 495	133	31 256	170	40 017	207	48 778	244	57 539
23	5 209	60	13 970	97	22.731	134	31.492	171	40.254	208	49 015	245	57 776
24	5.446	61	14.207	98	22 968	135	31.729	172	40.490	209	49 251	246	58 012
25	5.683	62	14.444	99	23.205	136	31 966	173	40 727	210	49 488	247	58 249
26	5.920	63	14.681	100	23 442	137	32.203	174	40 964	211	49 725	248	58.486
27	6.156	64	14.917	101	23 679	138	32.440	175	41.201	212	49.962	249	58 723
28	6 393	65	15.154	102	23.915	139	32 676	176	41 437	213	50.198	250	58.960
29	6.630	66	15.391	103	24 152	140	32 913	177	41 674	214	50.435	251	59 196
30	6 867	67	15 628	104	24.389	141	33 150	178	41.911	215	50 672	252	59.433
31	7 104	68	15.865	105	24 626	142	33 387	179	42 148	216	50.909	253	59.670
32	7.340	69	16.101	106	24 862	143	33.624	180	42.385	217	51.146	254	59.907
33	7 577	70	16 338	107	25.099	144	33 860	181	42 621	218	51 382		
34	7 814	71	16.575	108	25.336	145	34 097	182	42 858	219	51.619		
35	8.051	72	16 812	109	25 573	146	34 334	183	43 095	220	51 856		
36	8 287	73	17 049	110	25 810	147	34 571	184	43 332	221	52 093		
37	8.524	74	17.285	111	26.046	148	34 807	185	43 568	222	52 330		

06/29/71
5 , 0

TEMP SEC EVAP OUT LIQUID

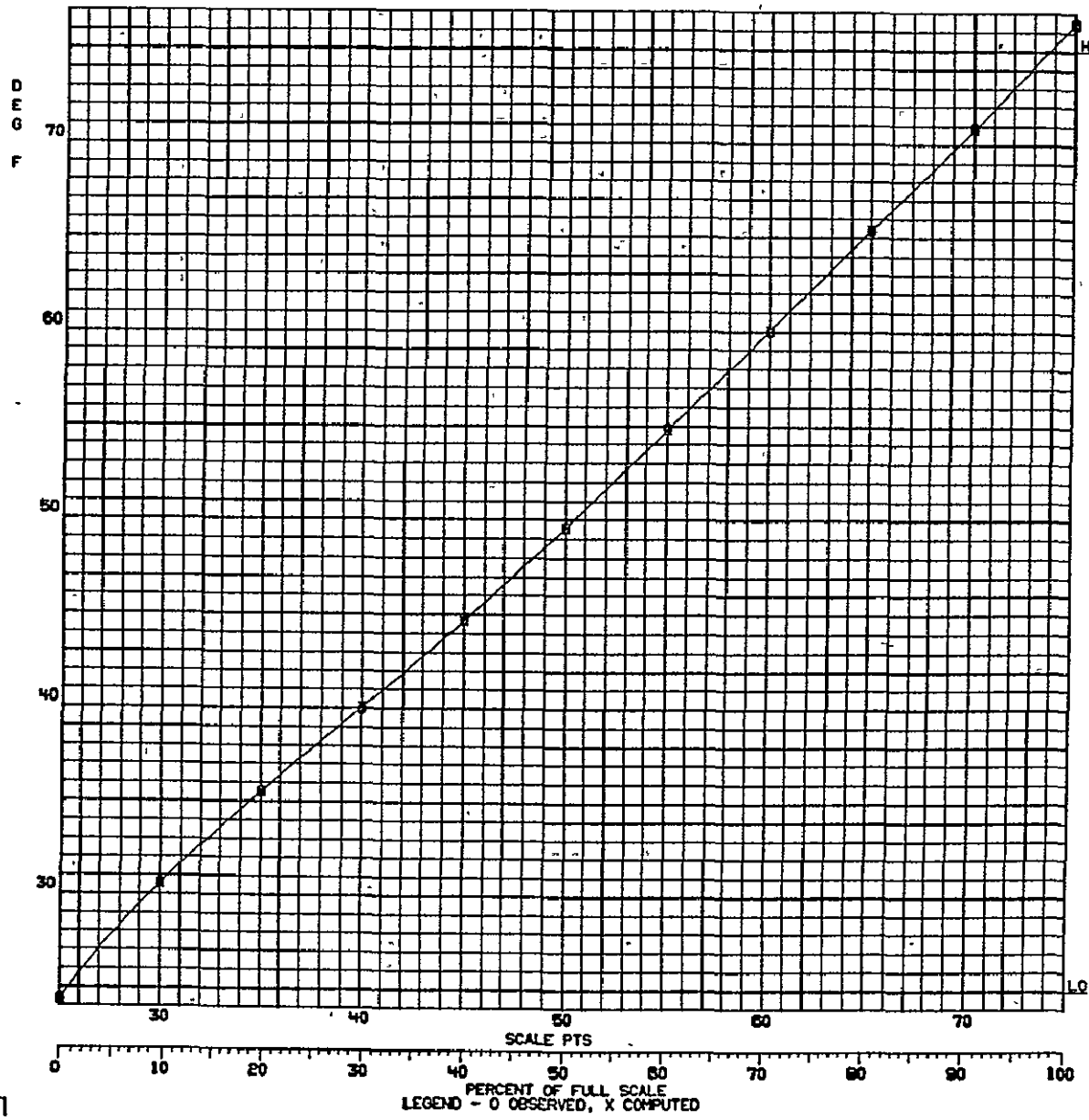
INSTALLATION DATE OCT. 1,1969

SC-113

HARDWARE CALIB NO.	SERIAL NO.
77492- 1	004000118189
77493- 1	004000118395
81075- 1	097602434118

0459-77-0
0000 0339

RANGE
25.00
TO
75.00



EQUATION COEFFICIENTS

A_0= 9.697E 01
A_1= 1.121E 01
A_2=-4.101E-01
A_3= 7.917E-03
A_4=-7.411E-05
A_5= 2.715E-07

SIGMA=.10073

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00193

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
C F0071 T- 1-0

LOADING NO.
M12P2

MINIMUM LOADING NO.

02/29/72
5 . 1

QUANTITY SEC GLYCOL ACCUM
INSTALLATION DATE FEB 25,1972

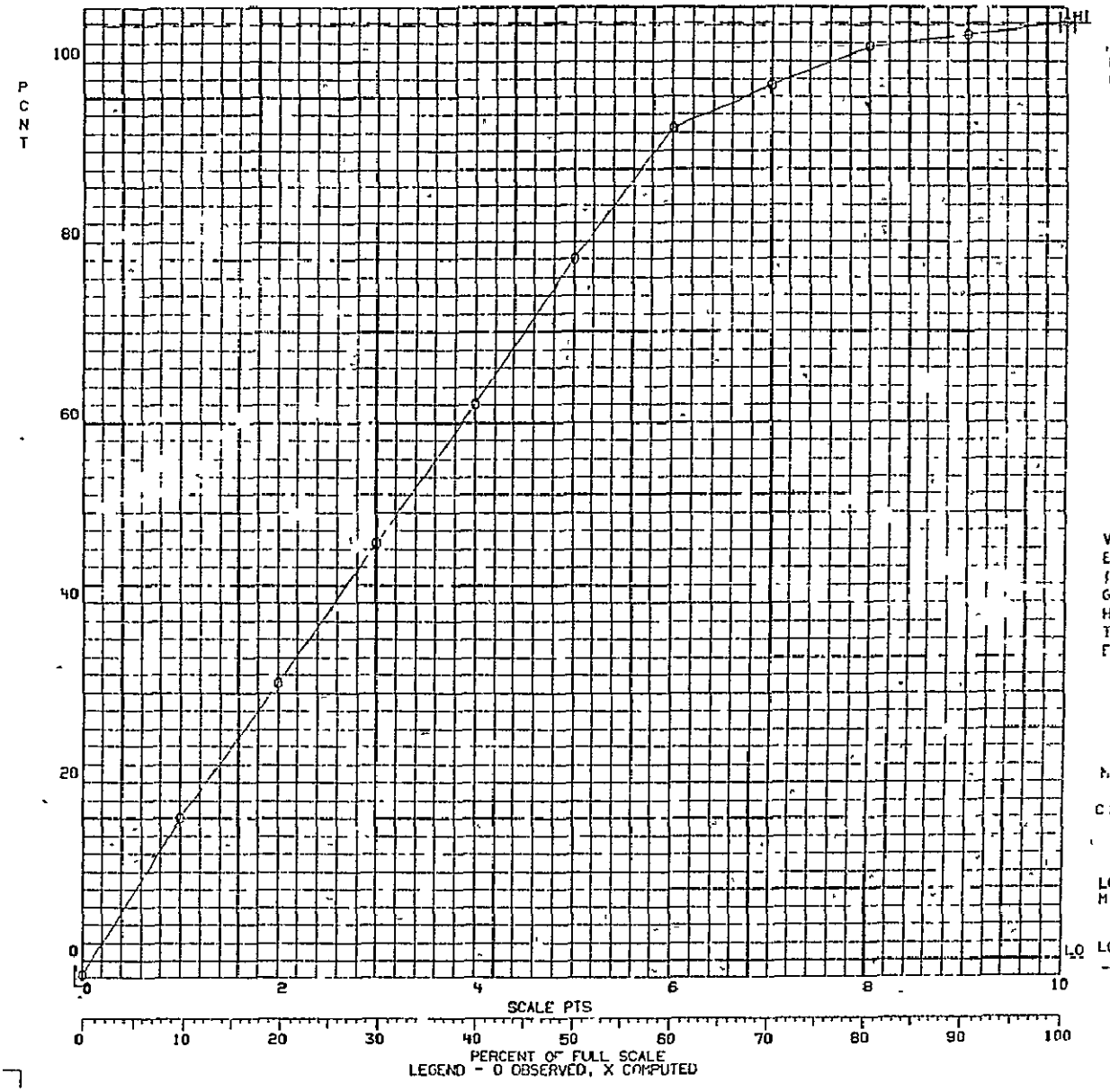
SC-113

HARDWARE CALIB NO	SERIAL NO.
54843- 1	004000108122
79589- 1	004000050038
80497- 1	097602402114

2837-77-9
0000 0003

RANGE
0 0
TO
104.3

PIECE-WISE
CURVE FIT

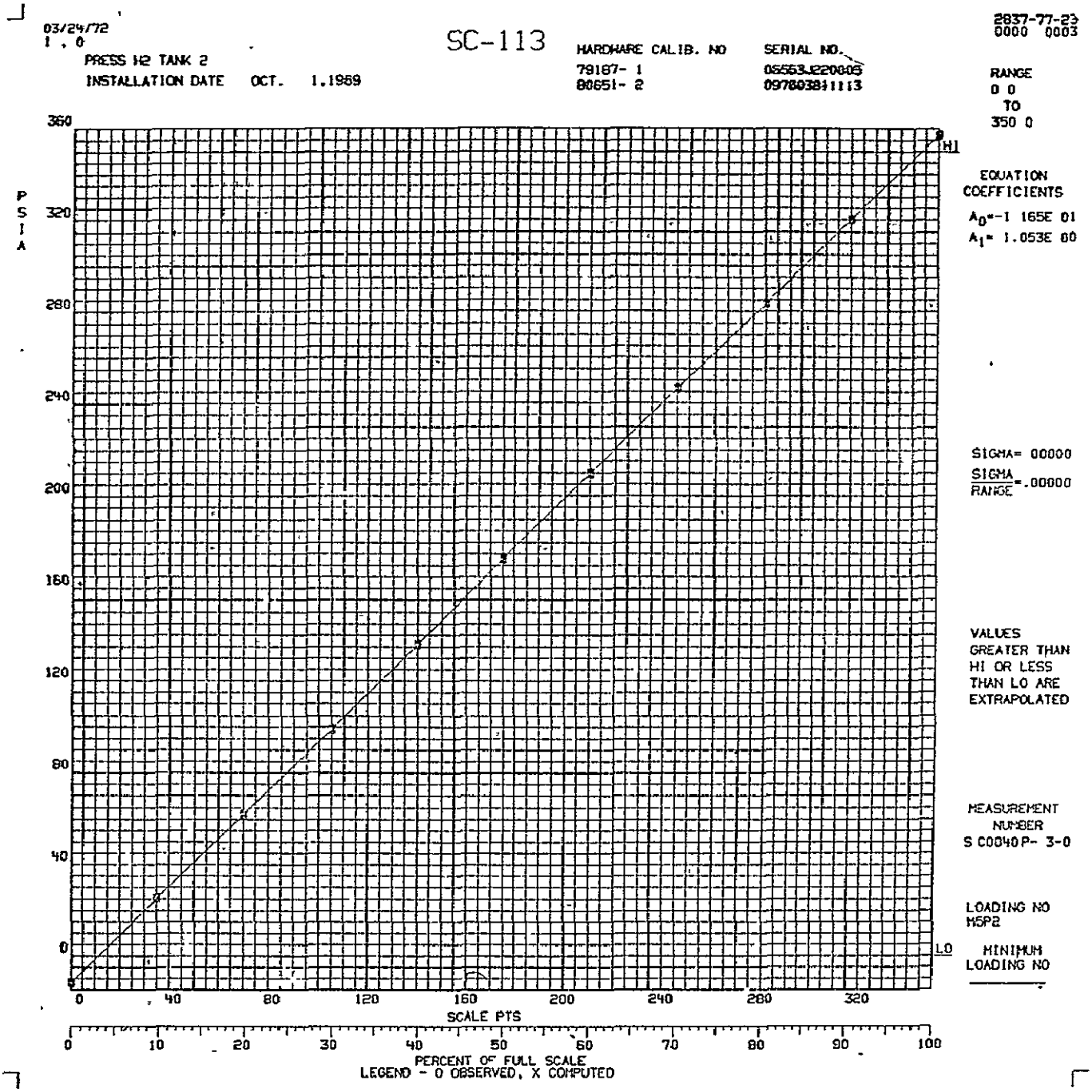


VALUES BEYOND
END-POINTS
(L AND HI) OR
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED

MEASUREMENT
NUMBER
CF00720- 4-0

LOADING NO
M1IP2

MINIMUM
LOADING NO


03/24/72
1 , 0
PRESS H2 TANK 2
INSTALLATION DATE OCT. 1,1969
SC-113
HARDWARE CALIB. NO
79187- 1
80651- 2
SERIAL NO.
05563J220005
09780381113
2837-77-23
0000 0003
RANGE
0 0
TO
350 0
EQUATION
COEFFICIENTS
A0=-1 165E 01
A1= 1.053E 00
SIGMA= 00000
SIGMA/RANGE=.00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C0040P- 3-0
LOADING NO
M5P2
MINIMUM
LOADING NO
P
S
I
A
360
320
280
240
200
160
120
80
40
0
HI
LO
0
40
80
120
160
200
240
280
320
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

07/28/71
5 . 0

QUANTITY H2 TANK 3

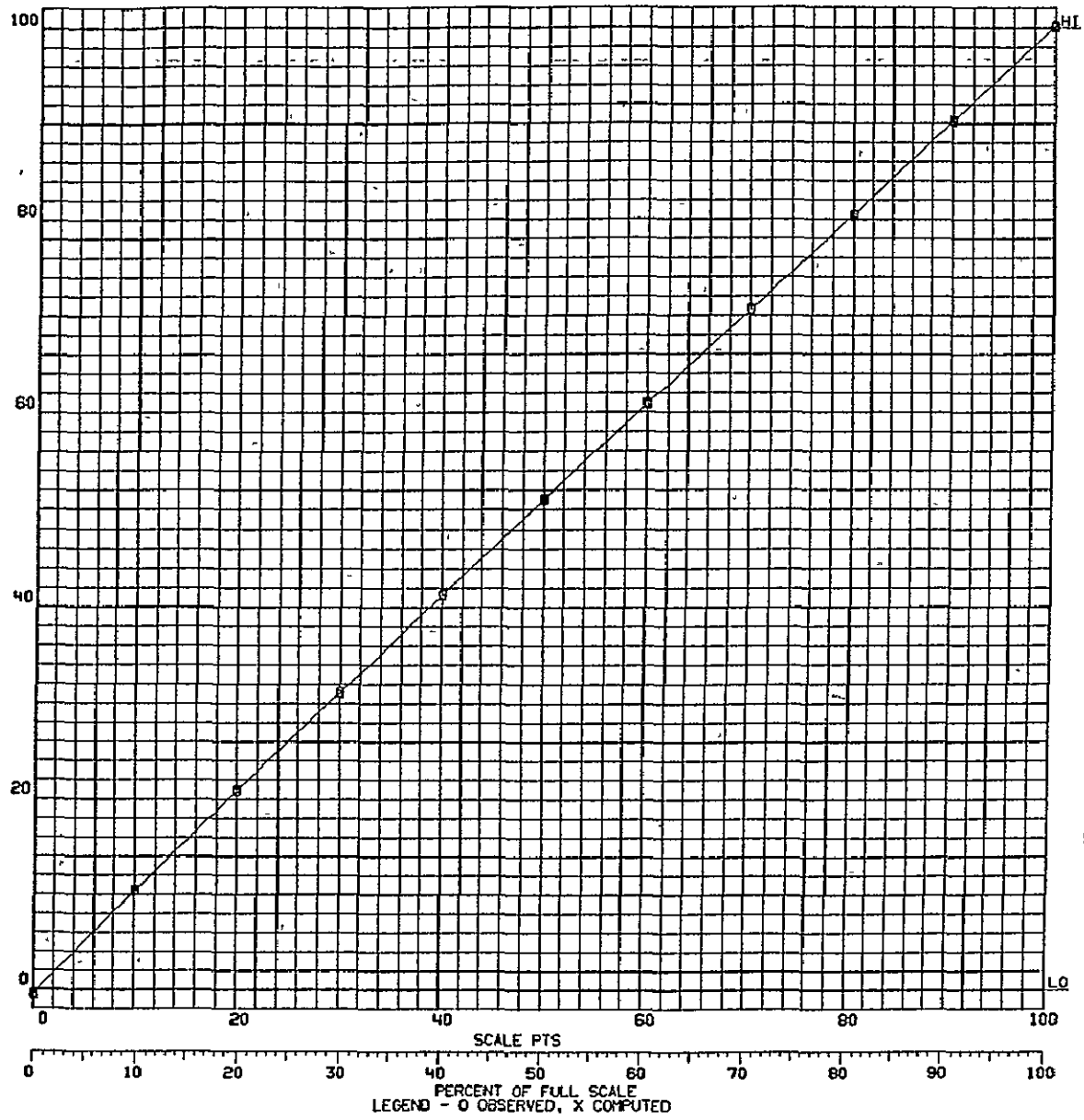
INSTALLATION DATE MAY. 7,1971

SC-113

HARDWARE CALIB. NO	SERIAL NO
78744- 1	10024HTA0033
79008- 1	10024HAR0046
81052- 1	097603812131

0459-77-45
0000 0005

RANGE
0.0
TO
100 0



EQUATION COEFFICIENTS

A_0=-3.925E-01
A_1= 1.094E 00
A_2=-1.759E-03
A_3= 9.775E-06
A_4=-1.255E-08
A_5= 1 057E-11

SIGMA=.00001

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00000

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C00500- 2-0

LOADING NO
H7P2

MINIMUM LOADING NO

06/29/71
5 . 0

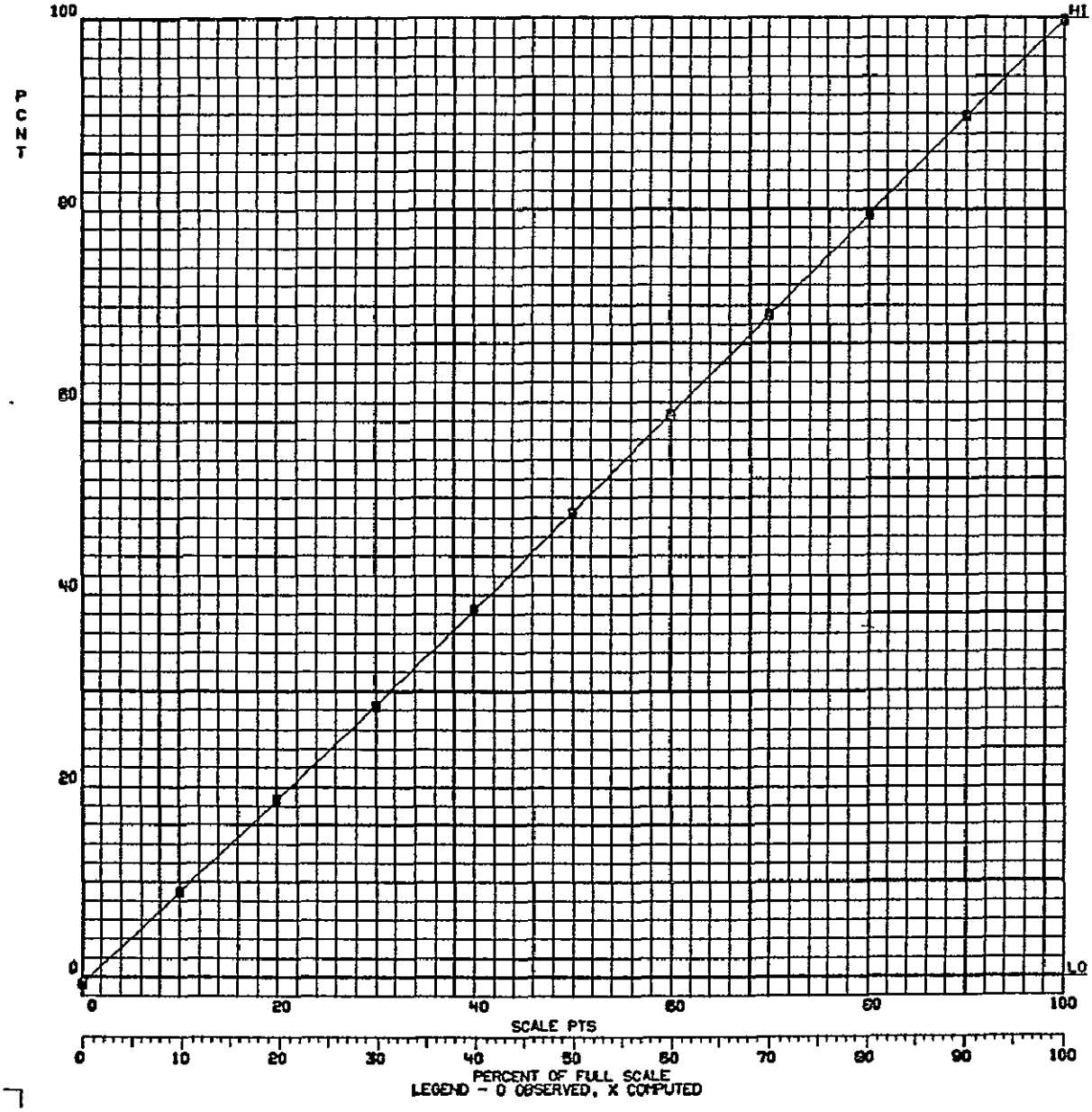
SC-113

0459-77-03
0000 0269

QUANTITY O2 TANK 3
INSTALLATION DATE MAY. 7,1971

HARDWARE CALIB. NO.	SERIAL NO.
78738- 1	10024XAR0024
78739- 1	10024XAR0024
04443- 1	097603812107

RANGE
0.0
TO
100.0



EQUATION COEFFICIENTS

A_0=-7.069E-01
A_1= 9.549E-01
A_2= 7.565E-04
A_3=-1.197E-05
A_4= 2.282E-07
A_5=-1.334E-09

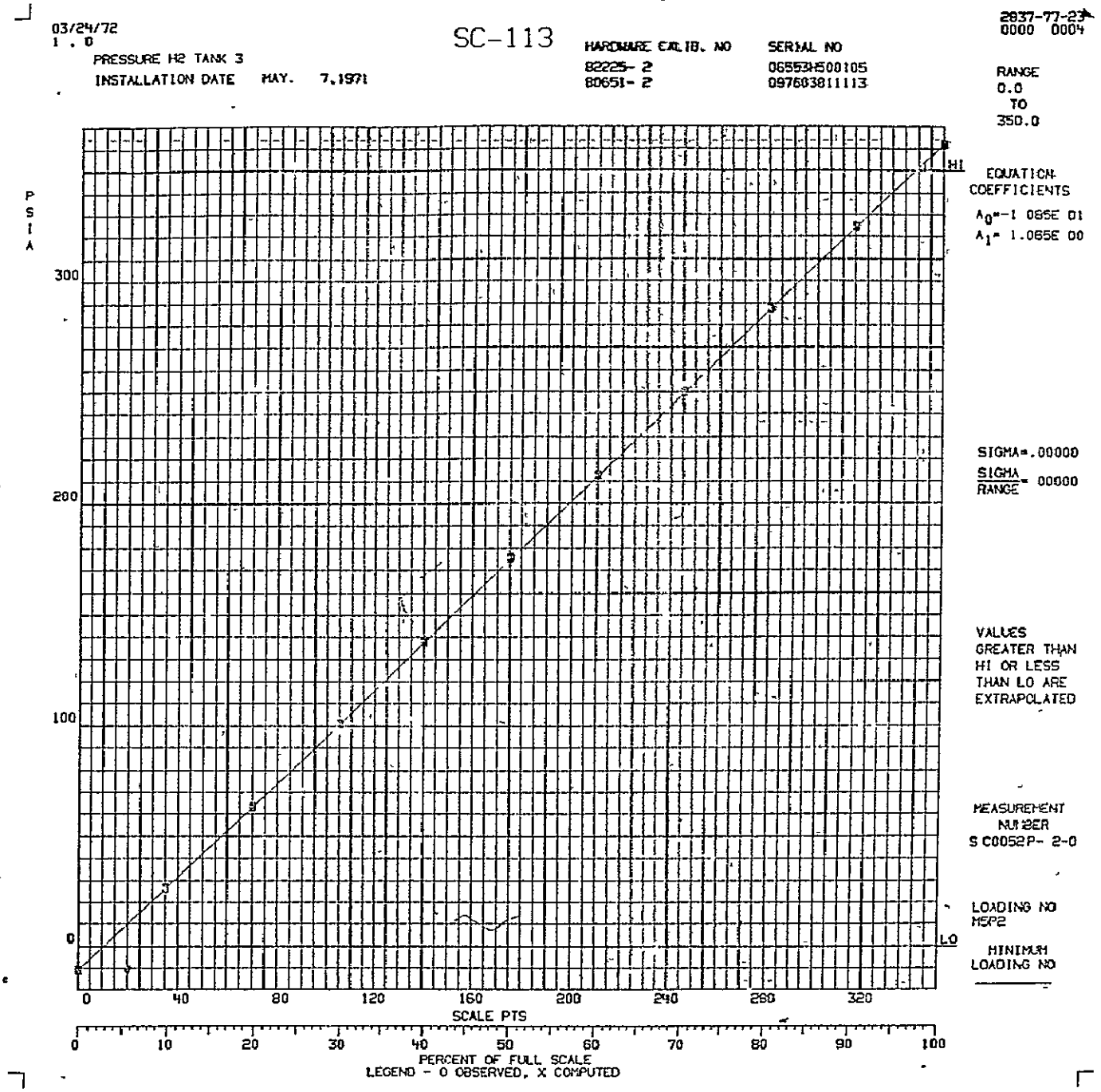
SIGMA=.00033
SIGMA/RANGE=.00000

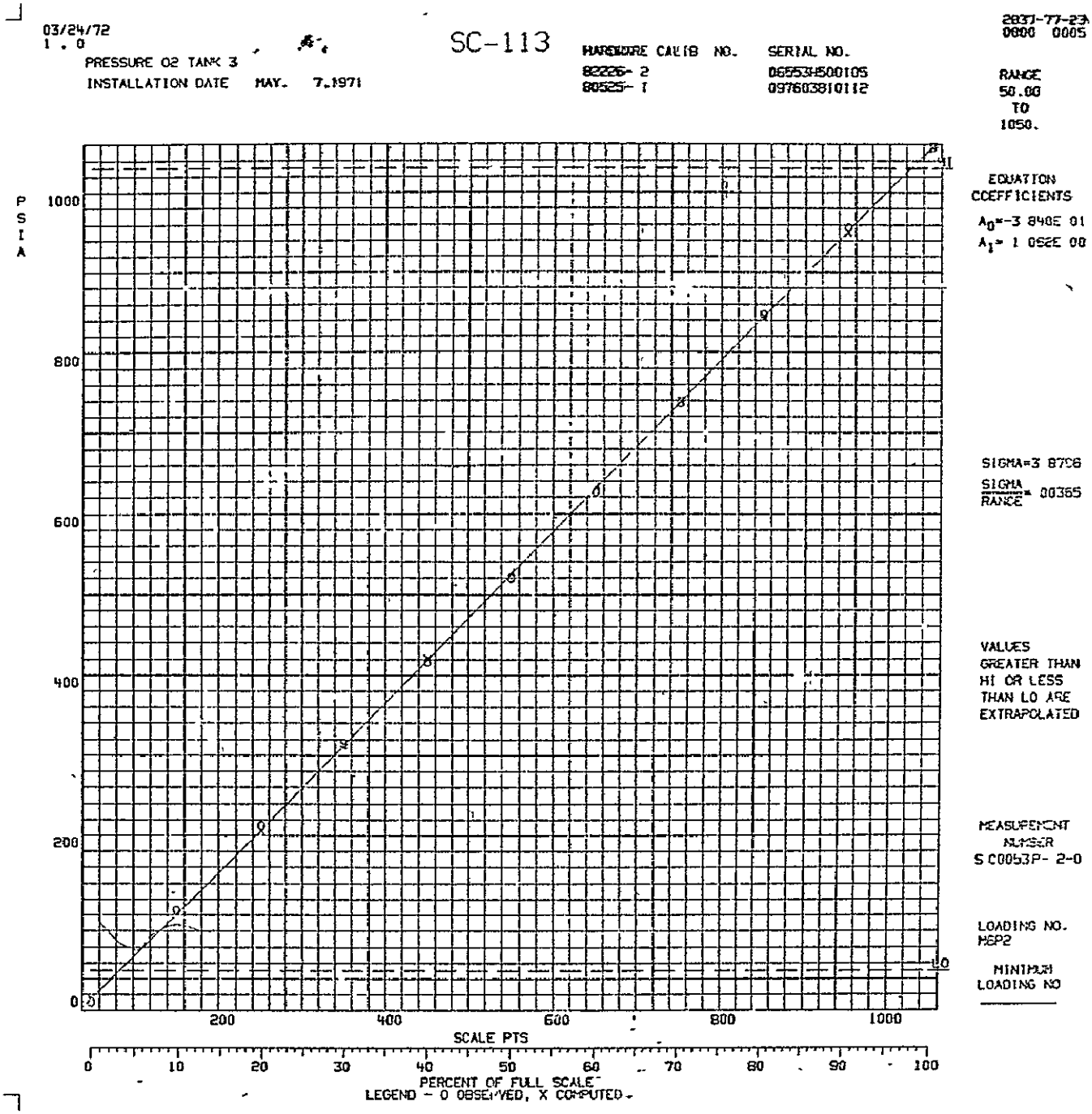
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C00510- 1-0

LOADING NO.
M8P2

MINIMUM LOADING NO.


03/24/72
1 . 0
PRESSURE H2 TANK 3
INSTALLATION DATE MAY. 7,1971
SC-113
HARDWARE CALIB. NO
82225- 2
80651- 2
SERIAL NO
065534500105
097603811113
2837-77-23
0000 0004
RANGE
0.0
TO
350.0
EQUATION
COEFFICIENTS
A0=-1 086E 01
A1= 1.065E 00
SIGMA=.00000
SIGMA/RANGE= 00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C0052P- 2-0
LOADING NO
MSP2
MINIMUM
LOADING NO
P
S
I
A
300
200
100
0
HI
LO
0
40
80
120
160
200
240
280
320
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED


03/24/72
1.0
PRESSURE O2 TANK 3
INSTALLATION DATE MAY. 7,1971
SC-113
HARDWARE CALIB NO.
82226- 2
80525- 1
SERIAL NO.
06553H500105
09760381011?
2837-77-23
0000 0005
RANGE
50.00
TO
1050.
EQUATION
COEFFICIENTS
A0=-3 840E 01
A1= 1 052E 00
SIGMA=3 870E
SIGMA/RANGE= 00365
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S C0053P- 2-0
LOADING NO.
HSP2
MINIMUM
LOADING NO
P
S
I
A
1000
800
600
400
200
0
HI
LO
200
400
600
800
1000
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

06/29/71
5 . 0

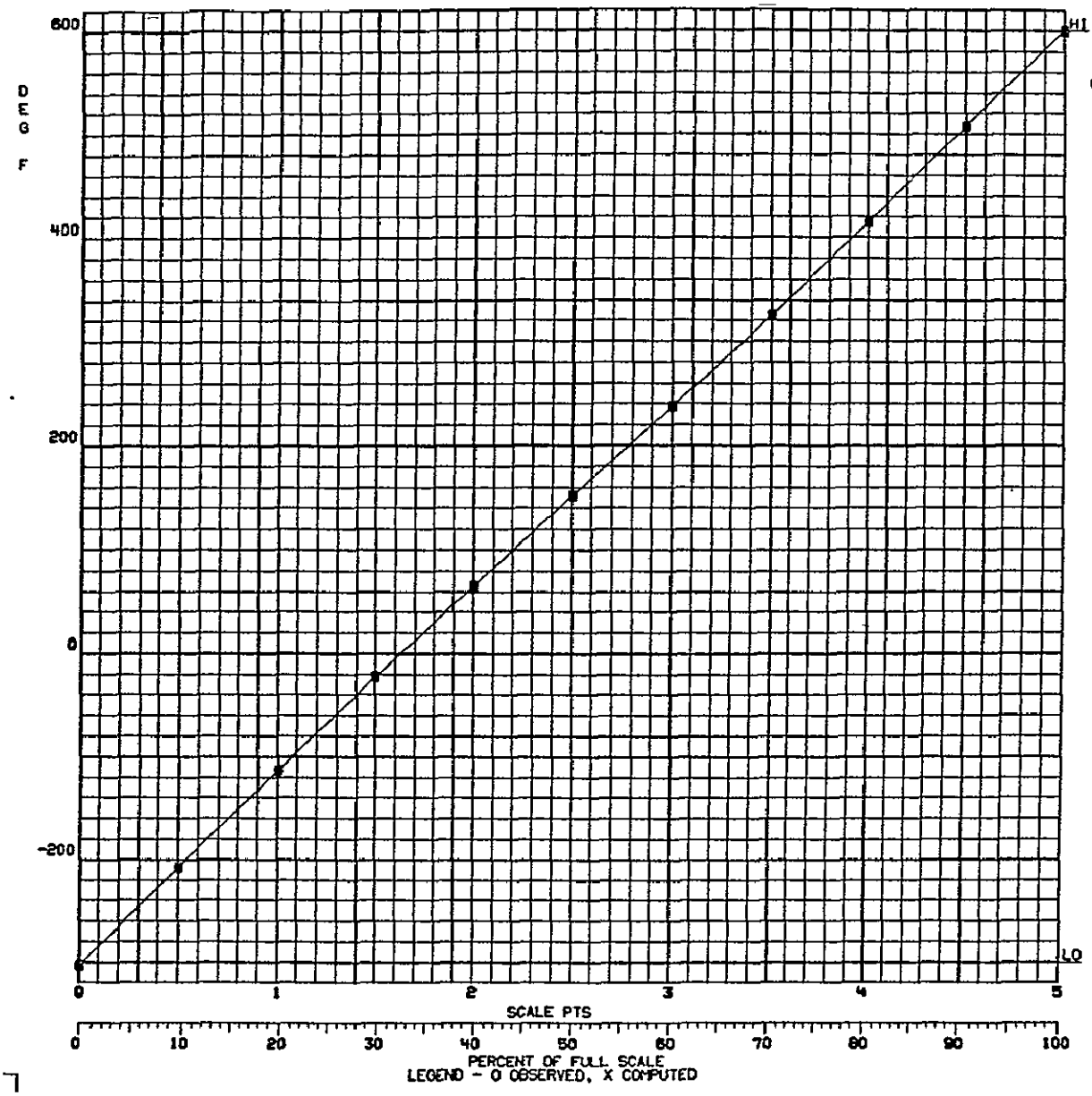
SC-113

TEMP 02 TANK 1 HEATERS
INSTALLATION DATE MAY. 20,1971

HARDWARE CALIB. NO.	SERIAL NO.
78881- 1	10024XTA0026
78882- 1	10024XAR0027
94865- 1	097602221110

0459-77-03
0000 0272

RANGE
-300.0
TO
600.0



EQUATION COEFFICIENTS

A_0=-3.034E 02
A_1= 1.899E 02
A_2= 5.295E 00
A_3=-7.441E 00
A_4= 2.029E 00
A_5=-1.651E-01

SIGMA=.01556

$\frac{\text{SIGMA}}{\text{RANGE}}$=.00001

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S C0070 f- 1-0

LOADING NO.
MHP101

MINIMUM LOADING NO.

08/09/71
5 . 0

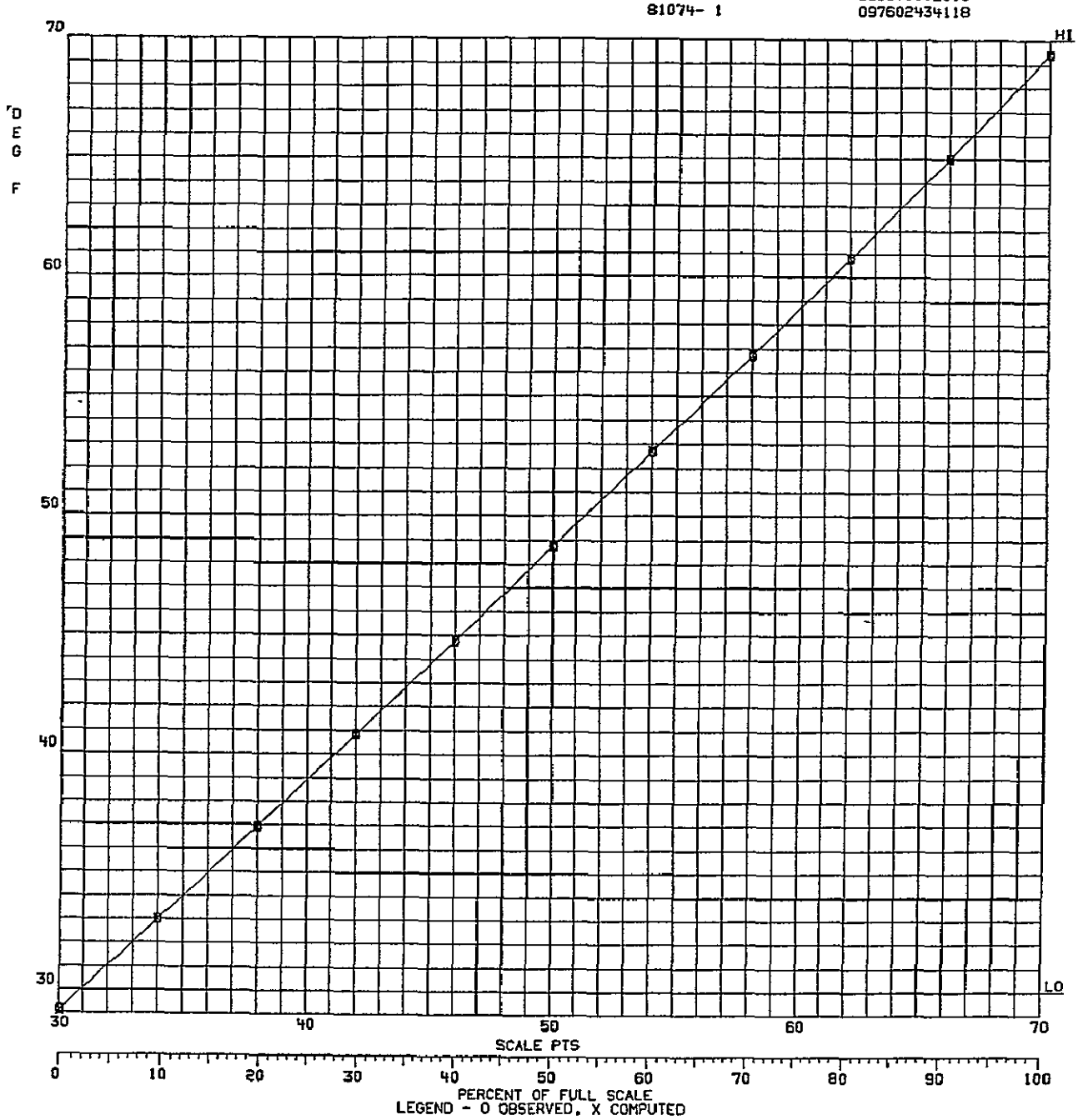
TEMP SEC RADIATOR OUTLET
INSTALLATION DATE FEB 9,1971

SC-113

HARDWARE CALIB NO.	SERIAL NO
78775- 1	089870002003
79084- 1	089870002010
81074- 1	097602434118

0459-77-53
0000 0019

RANGE
30.00
TO
70.00



EQUATION COEFFICIENTS

A_0= 6.502E 00
A_1= 3.654E-01
A_2= 2.074E-02
A_3=-3.125E-04
A_4= 1.787E-06

SIGMA=.01437

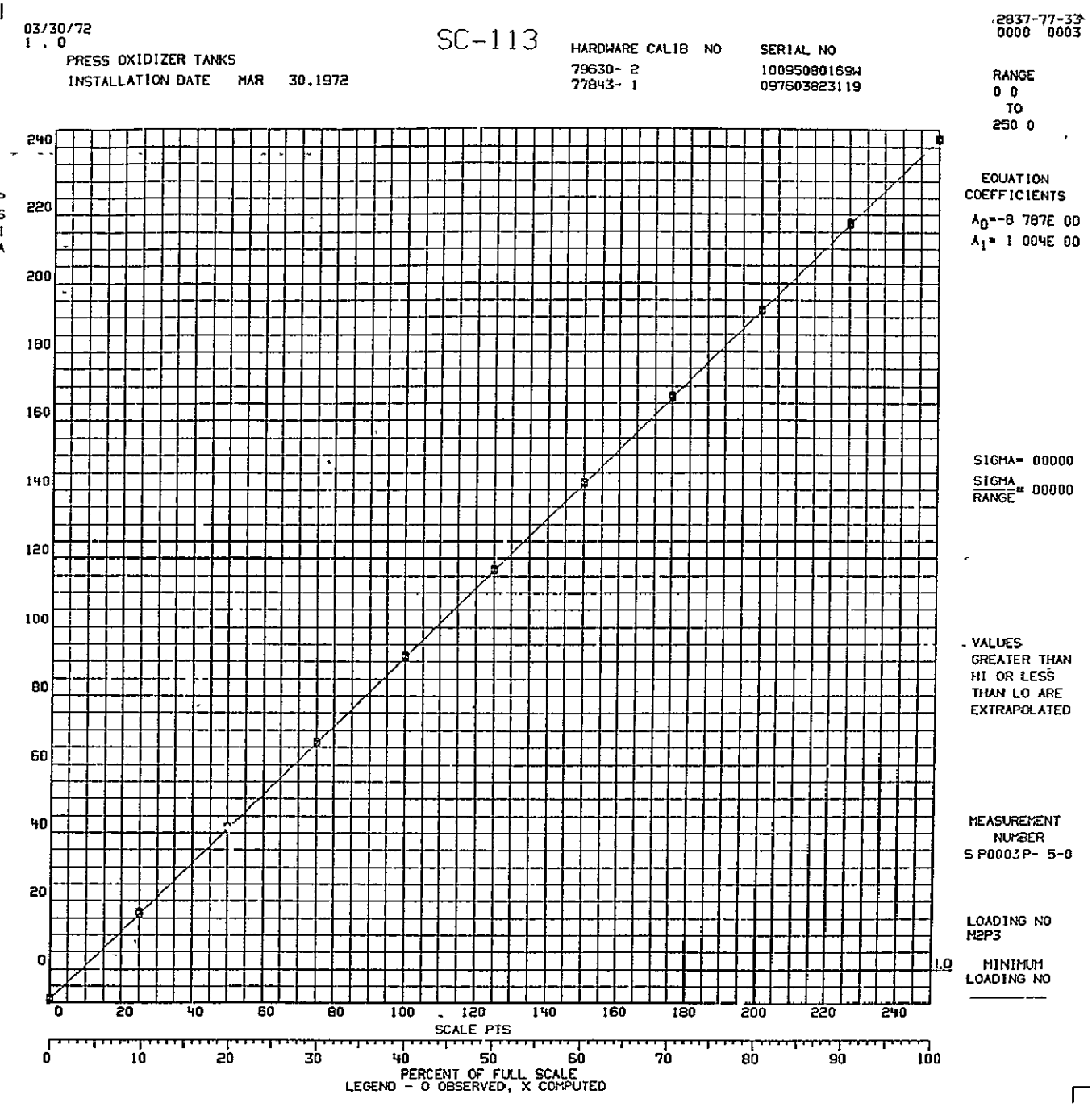
$\frac{SIGMA}{RANGE}$=.00035

VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT NUMBER
S F0263T- 2-0

LOADING NO
M12P2

MINIMUM LOADING NO.


03/30/72
1 . 0
PRESS OXIDIZER TANKS
INSTALLATION DATE MAR 30,1972
SC-113
HARDWARE CALIB NO
79630- 2
77843- 1
SERIAL NO
10095080169W
09760382311 9
2837-77-33
0000 0003
RANGE
0 0
TO
250 0
EQUATION
COEFFICIENTS
A0=-8 787E 00
A1= 1 004E 00
SIGMA= 00000
SIGMA/RANGE= 00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
S P0003P- 5-0
LOADING NO
M2P3
MINIMUM
LOADING NO
LO
PSIA
240
220
200
180
160
140
120
100
80
60
40
20
0
0 20 40 60 80 100 120 140 160 180 200 220 240
SCALE PTS
0 10 20 30 40 50 60 70 80 90 100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

06/29/71
5 . 0

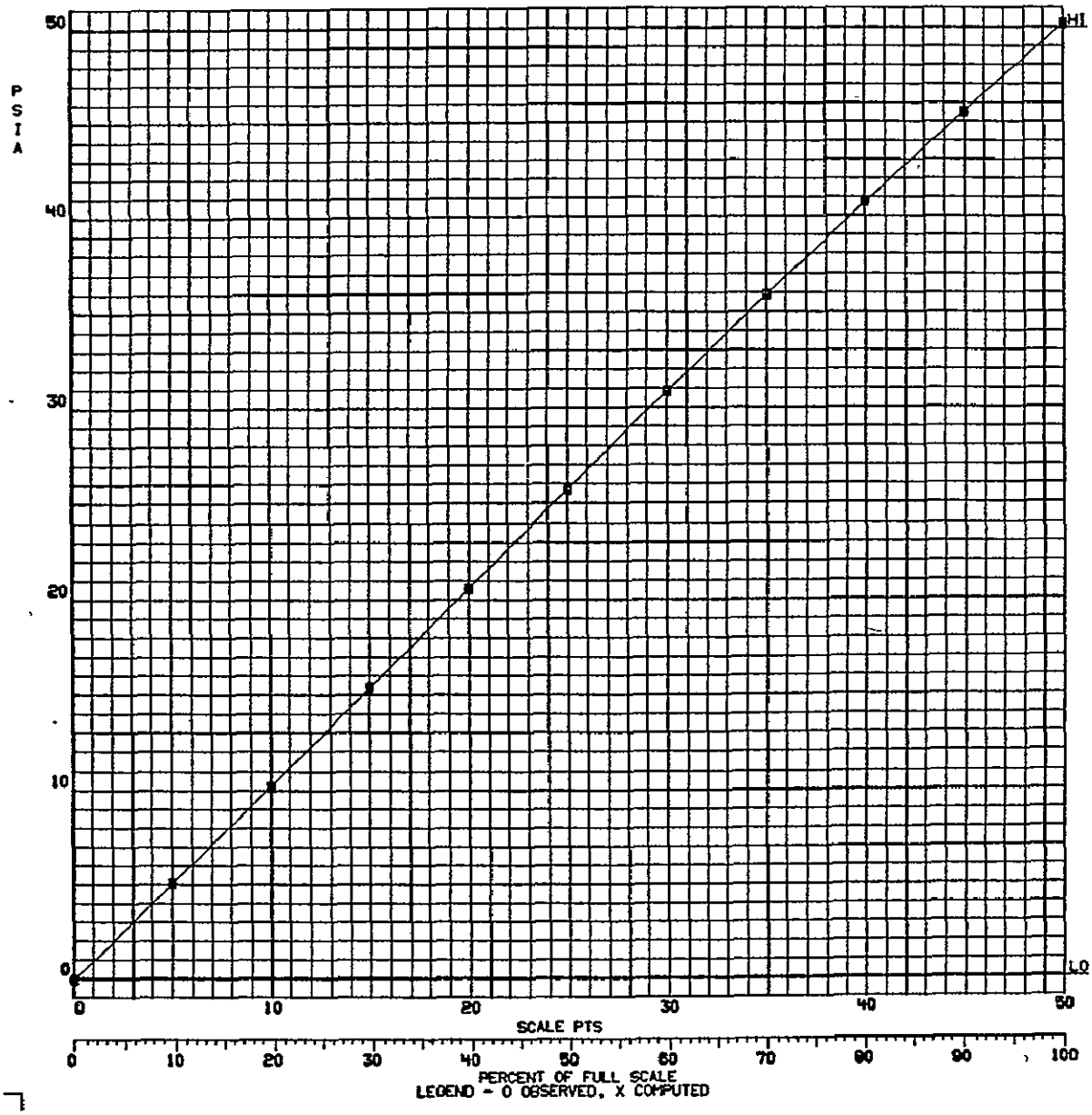
SC-113

S-IVB FUEL PRESSURE B
INSTALLATION DATE OCT. 1.1969

HARDWARE CALIB. NO.	SERIAL NO.
76828- 1	N/A
81450- 1	089781112004
77832- 1	100268AJ1022

0459-77-03
0000 0396

RANGE
0.0
TO
50.00



EQUATION COEFFICIENTS

A_0=-3.797E-02
A_1= 1.004E 00
A_2= 2.444E-03
A_3=-6.165E-05
A_4= 2.544E-07

SIGMA=.00000

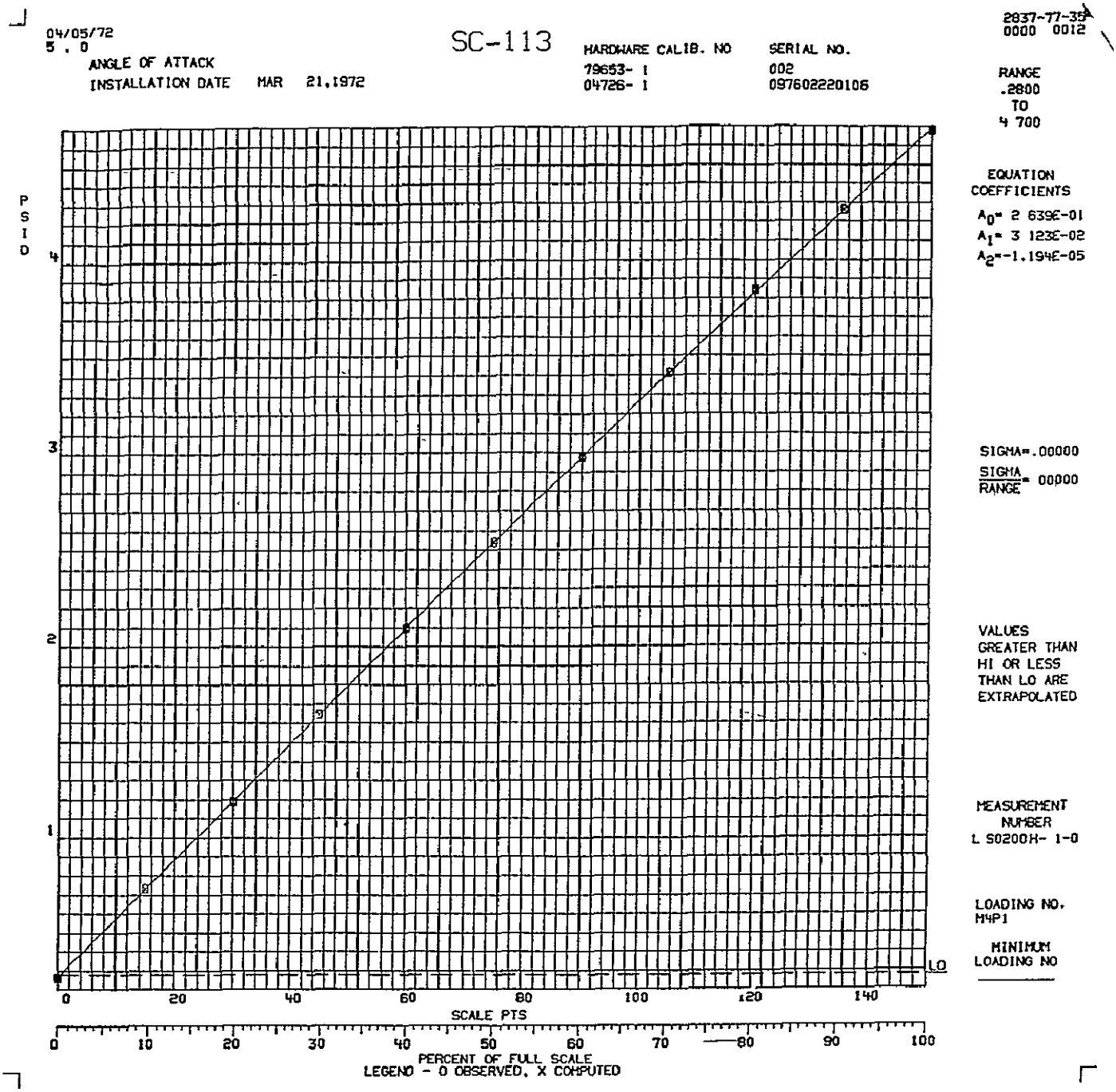
$\frac{SIGMA}{RANGE}$=.00000

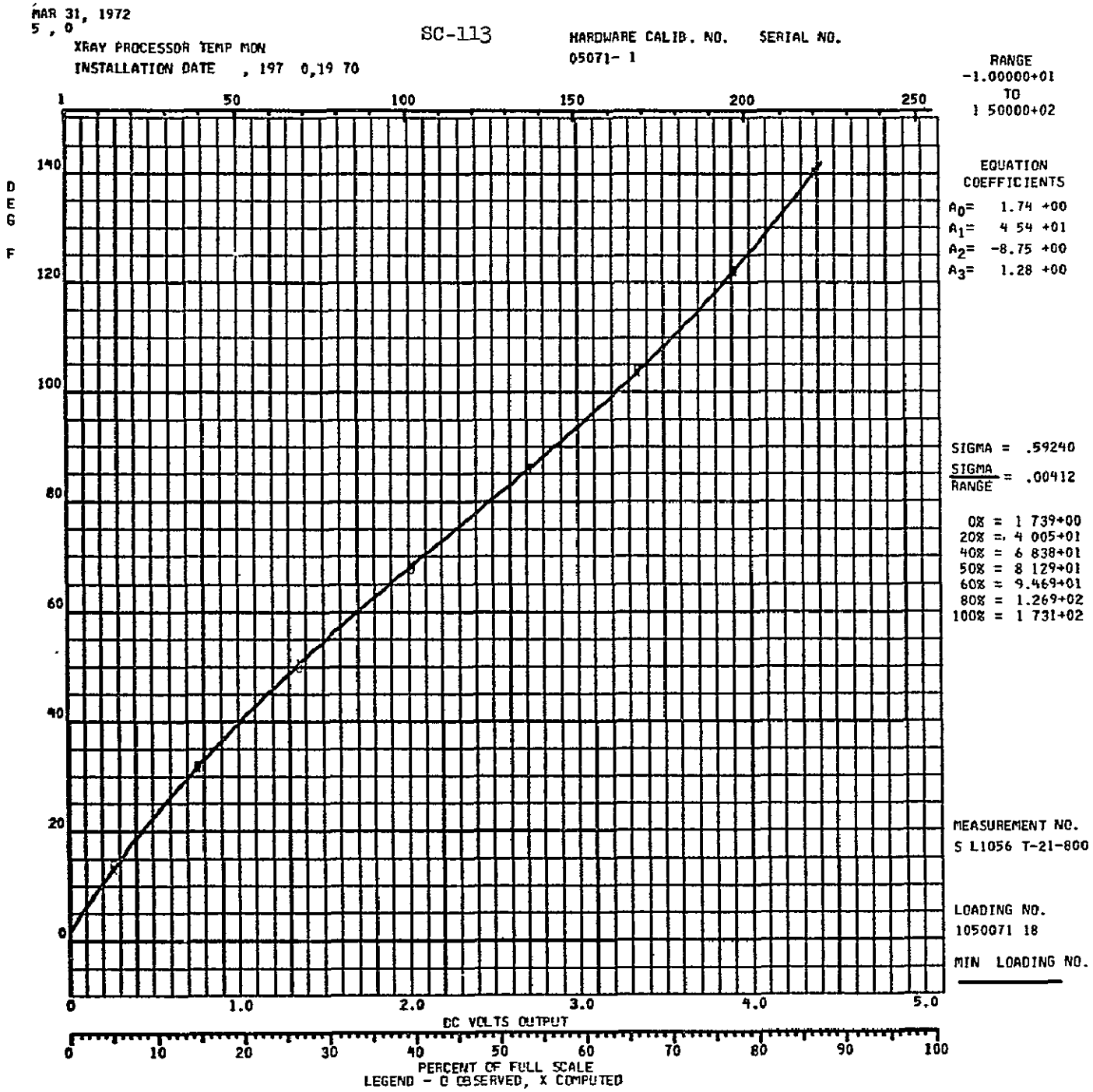
VALUES GREATER THAN HI OR LESS THAN LO ARE EXTRAPOLATED

MEASUREMENT
NUMBER
B S0053P- 1-0

LOADING NO.
MA3P1

MINIMUM
LOADING NO.


04/05/72
5 . 0
ANGLE OF ATTACK
INSTALLATION DATE MAR 21,1972
SC-113
HARDWARE CALIB. NO
79653- 1
04726- 1
SERIAL NO.
002
097602220106
2837-77-35
0000 0012
RANGE
.2800
TO
4 700
EQUATION
COEFFICIENTS
A0= 2 639E-01
A1= 3 123E-02
A2=-1.194E-05
SIGMA=.00000
SIGMA/RANGE= 00000
VALUES
GREATER THAN
HI OR LESS
THAN LO ARE
EXTRAPOLATED
MEASUREMENT
NUMBER
L S0200R- 1-0
LOADING NO.
M4P1
MINIMUM
LOADING NO
PSID
4
3
2
1
LO
0
20
40
60
80
100
120
140
SCALE PTS
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED


MAR 31, 1972
5 , 0
XRAY PROCESSOR TEMP MON
INSTALLATION DATE , 197 0,19 70
SC-113
HARDWARE CALIB. NO. SERIAL NO.
05071- 1
RANGE
-1.00000+01
TO
1 50000+02
EQUATION
COEFFICIENTS
A0= 1.74 +00
A1= 4 54 +01
A2= -8.75 +00
A3= 1.28 +00
SIGMA = .59240
SIGMA/RANGE = .00412
0% = 1 739+00
20% = 4 005+01
40% = 6 838+01
50% = 8 129+01
60% = 9.469+01
80% = 1.269+02
100% = 1 731+02
MEASUREMENT NO.
S L1056 T-21-800
LOADING NO.
1050071 18
MIN LOADING NO.
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1056 T - 21. 800. CALIBRATED 0/ 0/70
HARDWARE NUMBERS 05071- 1.

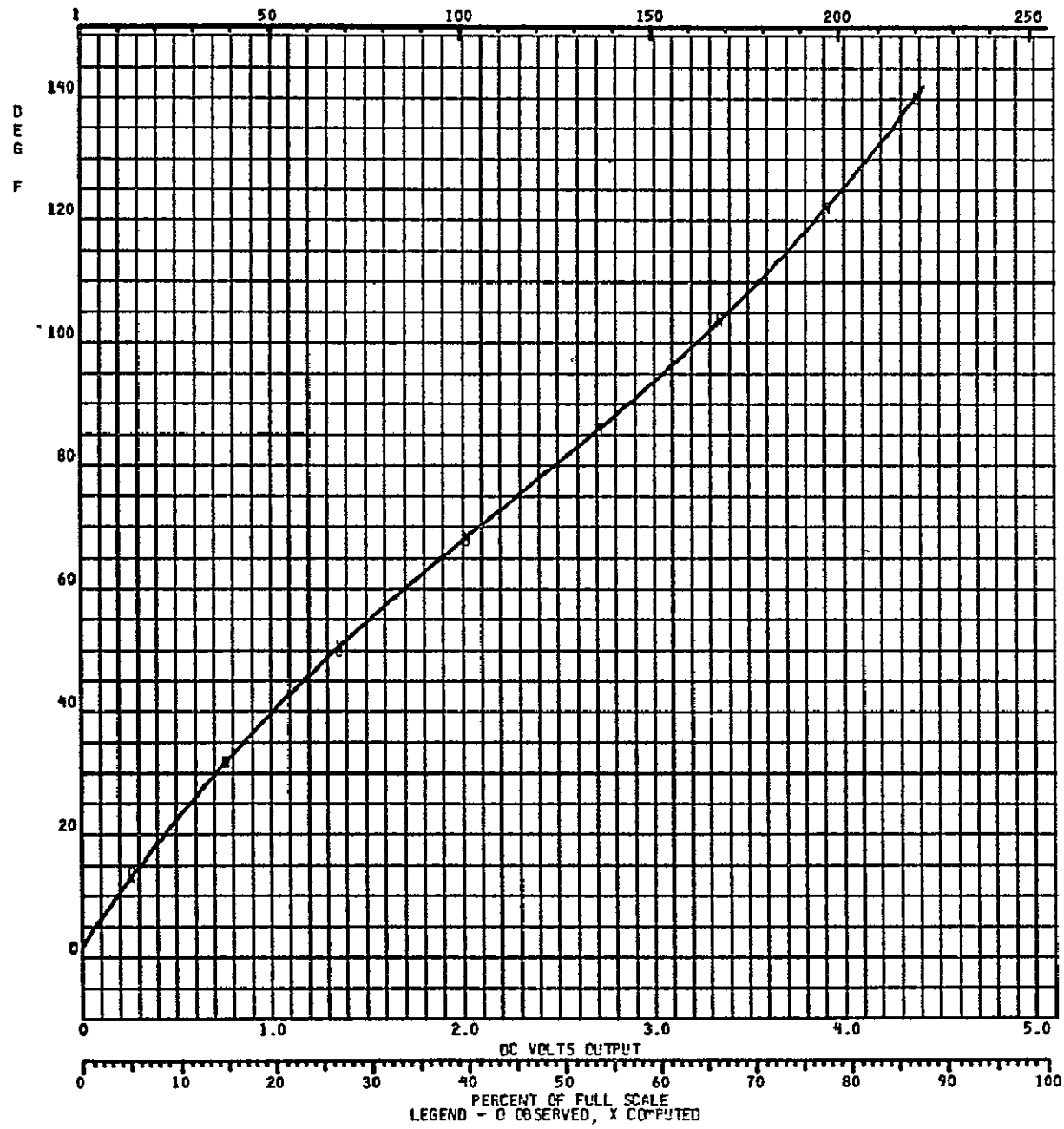
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.739	38	31.061	75	53.906	112	73.386	149	92.610	186	114.692	223	142.742
2	2.644	39	31.750	76	54.463	113	73.895	150	93 156	187	115.358	224	143 612
3	3.541	40	32.434	77	55.017	114	74.403	151	93.703	188	116.028	225	144.489
4	4.432	41	33.113	78	55 569	115	74.912	152	94.253	189	116.702	226	145.372
5	5.316	42	33.788	79	56 119	116	75.421	153	94.804	190	117.381	227	146 263
6	6.193	43	34.458	80	56 667	117	75.930	154	95.359	191	118 065	228	147.160
7	7.063	44	35.124	81	57.212	118	76.439	155	95.915	192	118.753	229	148 064
8	7.927	45	35 785	82	57.755	119	76.948	156	96.474	193	119.446	230	148.975
9	8.785	46	36.443	83	58.296	120	77.457	157	97.036	194	120 144	231	149.894
10	9.635	47	37 096	84	58.836	121	77.967	158	97.600	195	120 847	232*	150 819
11	10.480	48	37.744	85	59.373	122	78.477	159	98.167	196	121.555	233*	151 752
12	11.317	49	38.389	86	59.909	123	78.987	160	98.736	197	122 267	234*	152.691
13	12.149	50	39 030	87	60 442	124	79.498	161	99.309	198	122 985	235*	153 639
14	12.974	51	39 666	88	60.974	125	80.010	162	99.884	199	123 708	236*	154 593
15	13.793	52	40.299	89	61.505	126	80 522	163	100 462	200	124 436	237*	155 555
16	14.606	53	40 928	90	62.033	127	81 034	164	101.042	201	125 169	238*	156 524
17	15.413	54	41.553	91	62 561	128	81.548	165	101.626	202	125 907	239*	157 501
18	16.214	55	42.174	92	63 086	129	82.062	166	102.213	203	126.651	240*	158 486
19	17 009	56	42.792	93	63 611	130	82.577	167	102.803	204	127 400	241*	159 478
20	17 798	57	43.405	94	64.134	131	83.094	168	103.397	205	128 154	242*	160.478
21	18.581	58	44.016	95	64.655	132	83.611	169	103 993	206	128 915	243*	161 486
22	19.359	59	44.623	96	65.176	133	84.129	170	104.593	207	129 680	244*	162 502
23	20.130	60	45 226	97	65.695	134	84.648	171	105.196	208	130 452	245*	163.525
24	20 896	61	45.826	98	66 213	135	85.168	172	105 803	209	131.229	246*	164.557
25	21.657	62	46.423	99	66 730	136	85.690	173	106.413	210	132.012	247*	165.596
26	22.412	63	47.016	100	67.246	137	86.213	174	107.027	211	132.800	248*	166 644
27	23.161	64	47.607	101	67.762	138	86.737	175	107.644	212	133 595	249*	167 700
28	23.905	65	48.194	102	68.276	139	87.263	176	108.265	213	134 395	250*	168.764
29	24.644	66	48.778	103	68 790	140	87.790	177	108.890	214	135 202	251*	169.836
30	25.377	67	49.359	104	69.302	141	88.319	178	109.519	215	136.015	252*	170.917
31	26.105	68	49.937	105	69 814	142	88.849	179	110.151	216	136.833	253*	172.006
32	26.828	69	50.512	106	70.326	143	89.381	180	110.788	217	137.658	254*	173.104
33	27.546	70	51.085	107	70.837	144	89.914	181	111.428	218	138.490		
34	28.259	71	51.654	108	71 347	145	90.450	182	112.073	219	139.327		
35	28 967	72	52.221	109	71 857	146	90.987	183	112.721	220	140 171		
36	29.670	73	52.785	110	72.367	147	91.526	184	113.374	221	141 022		
37	30.368	74	53 347	111	72.876	148	92.067	185	114.031	222	141.878		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

MAR 31, 1972
5 , 0

XRAY DETECTOR TEMP MON
INSTALLATION DATE , 197 0,19 70

HARDWARE CALIB. NO SERIAL NO
05071- 1



RANGE
-1.00000+01
TO
1.50000+02

EQUATION
COEFFICIENTS
A_0= 1.74 +00
A_1= 4.54 +01
A_2= -8 75 +00
A_3= 1 28 +00

SIGMA = .59240
$\frac{\text{SIGMA}}{\text{RANGE}}$ = 00412

0% = 1 739+00
20% = 4.005+01
40% = 6.838+01
50% = 8.129+01
60% = 9 469+01
80% = 1 269+02
100% = 1.731+02

MEASUREMENT NO.
S L1057 T-21-800

LOADING NO
1060071 18

MIN. LOADING NO.

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1057 T - 21. 800. CALIBRATED 0/ 0/70
HARDWARE NUMBERS 05071- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.739	38	31.061	75	53.906	112	73.386	149	92.610	186	114.692	223	142.742
2	2.644	39	31.750	76	54.463	113	73.895	150	93.156	187	115.358	224	143.612
3	3.541	40	32.434	77	55.017	114	74.403	151	93.703	188	116.028	225	144 489
4	4.432	41	33.113	78	55 569	115	74.912	152	94.253	189	116.702	226	145.372
5	5.316	42	33.788	79	56.119	116	75.421	153	94.804	190	117.381	227	146.263
6	6.193	43	34.458	80	56.667	117	75.930	154	95.359	191	118.065	228	147.160
7	7.063	44	35.124	81	57.212	118	76.439	155	95.915	192	118.753	229	148 064
8	7.927	45	35.785	82	57.755	119	76.948	156	96.474	193	119.446	230	148.975
9	8.785	46	36 443	83	58.296	120	77.457	157	97.036	194	120.144	231	149 894
10	9.635	47	37.096	84	58.836	121	77.967	158	97.600	195	120 847	232*	150.819
11	10.480	48	37.744	85	59.373	122	78.477	159	98.167	196	121.555	233*	151.752
12	11.317	49	38.389	86	59 909	123	78.987	160	98.736	197	122.267	234*	152.691
13	12.149	50	39.030	87	60 442	124	79.498	161	99.309	198	122.985	235*	153.639
14	12.974	51	39.666	88	60.974	125	80.010	162	99.884	199	123.708	236*	154.593
15	13 793	52	40.299	89	61 505	126	80.522	163	100.462	200	124.436	237*	155.555
16	14.606	53	40.928	90	62 033	127	81.034	164	101.042	201	125.169	238*	156 524
17	15.413	54	41.553	91	62 561	128	81.548	165	101.626	202	125.907	239*	157.501
18	16.214	55	42 174	92	63.086	129	82.062	166	102.213	203	126 651	240*	158.486
19	17.009	56	42.792	93	63.611	130	82.577	167	102.803	204	127.400	241*	159 478
20	17.798	57	43 405	94	64.134	131	83.094	168	103.397	205	128.154	242*	160 478
21	18.581	58	44.016	95	64.655	132	83.611	169	103.993	206	128.915	243*	161 486
22	19 359	59	44.623	96	65 176	133	84.129	170	104.593	207	129.680	244*	162.502
23	20.130	60	45 226	97	65.695	134	84.648	171	105.196	208	130.452	245*	163.525
24	20 896	61	45.826	98	66 213	135	85.168	172	105.803	209	131.229	246*	164.557
25	21 657	62	46.423	99	66 730	136	85.690	173	106.413	210	132.012	247*	165.596
26	22 412	63	47 016	100	67 246	137	86.213	174	107.027	211	132 800	248*	166 644
27	23 161	64	47.607	101	67 762	138	86.737	175	107.644	212	133 595	249*	167.700
28	23 905	65	48.194	102	68 276	139	87.263	176	108.265	213	134.395	250*	168 764
29	24.644	66	48.778	103	68 790	140	87.790	177	108.890	214	135.202	251*	169 836
30	25.377	67	49.359	104	69 302	141	88.319	178	109.519	215	136.015	252*	170 917
31	26.105	68	49.937	105	69.814	142	88 849	179	110.151	216	136.833	253*	172 006
32	26.828	69	50.512	106	70 326	143	89.381	180	110.788	217	137.658	254*	173 104
33	27.546	70	51.085	107	70 837	144	89.914	181	111.428	218	138.490		
34	28.259	71	51.654	108	71 347	145	90.450	182	112.073	219	139.327		
35	28.967	72	52 221	109	71 857	146	90 987	183	112.721	220	140.171		
36	29 670	73	52 785	110	72.367	147	91.526	184	113.374	221	141.022		
37	30 368	74	53 347	111	72 876	148	92.067	185	114.031	222	141 878		

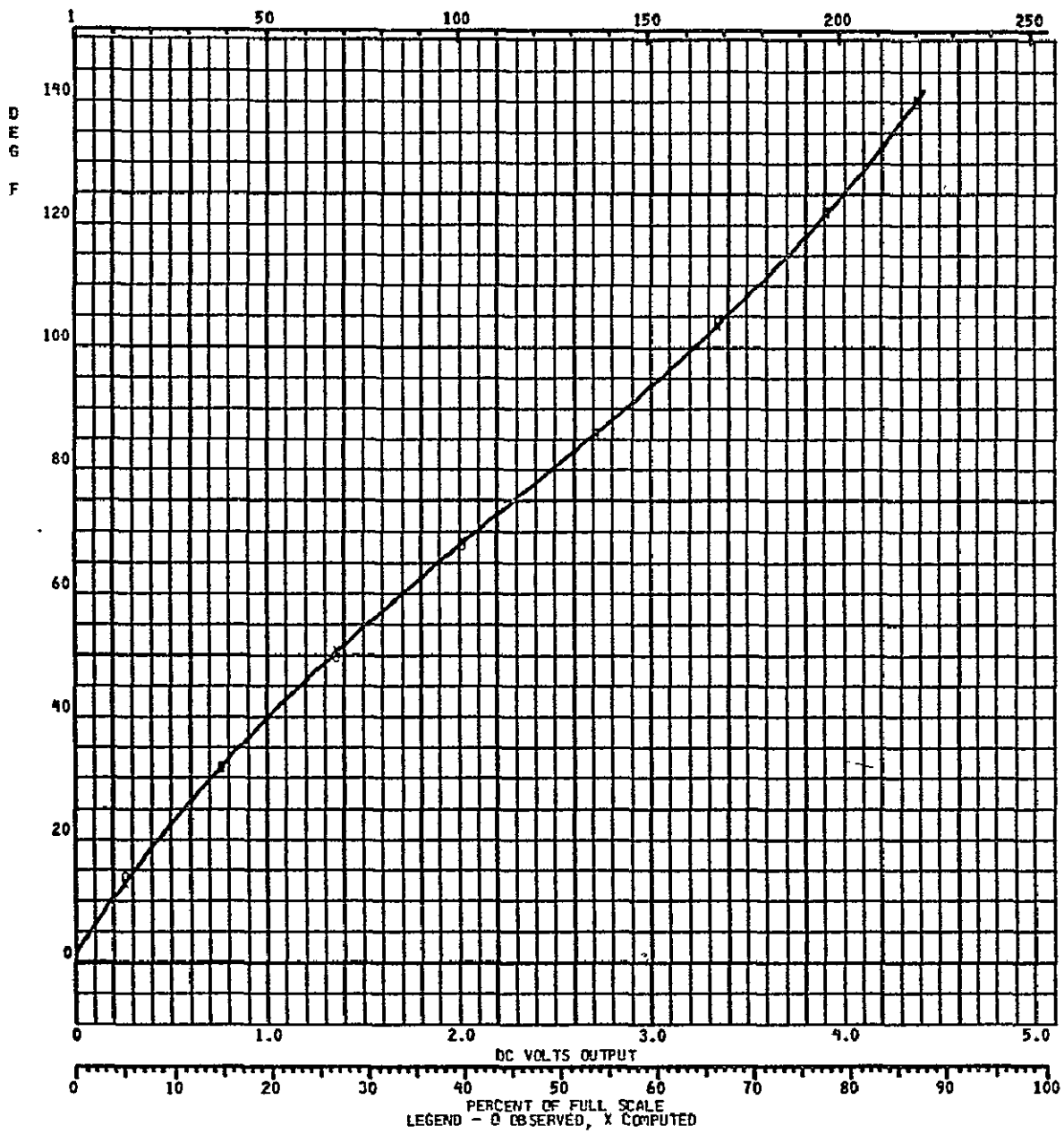
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

MAR 31, 1972
5 , 0

XRAY LVPS TEMP MON

INSTALLATION DATE , 197 0,19 70

HARDWARE CALIB. NO. SERIAL NO.
05071- 1



RANGE
-1 00000+01
TO
1 50000+02

EQUATION
COEFFICIENTS

A_0= 1 74 +00
A_1= 4 54 +01
A_2= -8 75 +00
A_3= 1.28 +00

SIGMA = .59240

$\frac{\text{SIGMA}}{\text{RANGE}}$ = .00412

0% = 1.739+00
20% = 4 005+01
40% = 6 838+01
50% = 8 129+01
60% = 9.469+01
80% = 1.269+02
100% = 1.731+02

MEASUREMENT NO.
S L1059 T-21-800

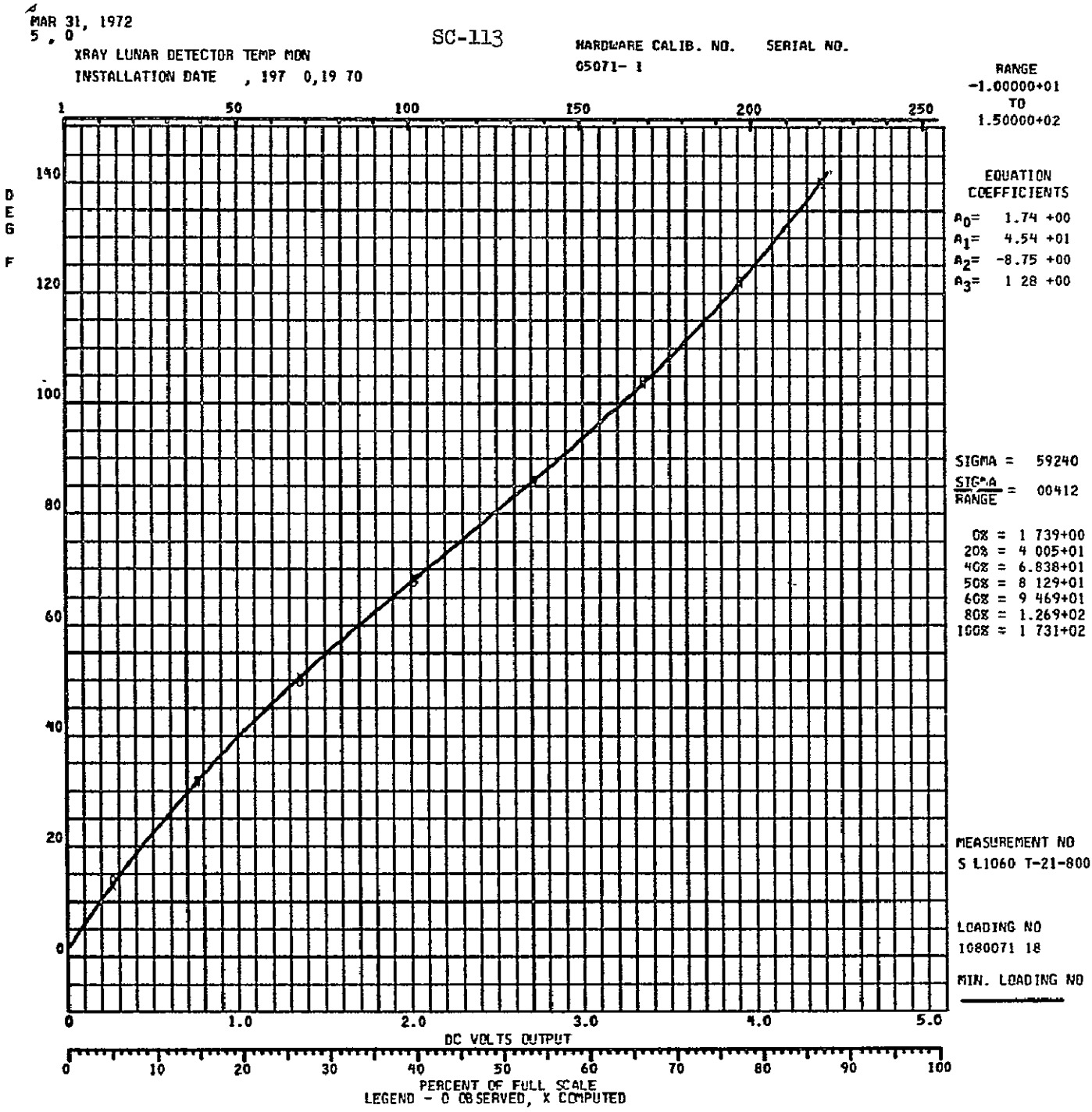
LOADING NO.
1070071 18

MIN. LOADING NO

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1059 T - 21. 800. CALIBRATED 0/ 0/70
HARDWARE NUMBERS 05071- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG-F	CNT	DEG-F
1	1.739	38	31.061	75	53.906	112	73.386	149	92.610	186	114.692	223	142.742
2	2.649	39	31.750	76	54.463	113	73 895	150	93.156	187	115.358	224	143 612
3	3.541	40	32.439	77	55.017	114	74.403	151	93.703	188	116.028	225	144.489
4	4.432	41	33.113	78	55.569	115	74.912	152	94 253	189	116.702	226	145.372
5	5.316	42	33.788	79	56.119	116	75.421	153	94.804	190	117.381	227	146.263
6	6.193	43	34.458	80	56.667	117	75.930	154	95.359	191	118.065	228	147 160
7	7.063	44	35.124	81	57.212	118	76.439	155	95.915	192	118.753	229	148 064
8	7.927	45	35.785	82	57.755	119	76.948	156	96.474	193	119.446	230	148.975
9	8.785	46	36.443	83	58.296	120	77 457	157	97 036	194	120.144	231	149.894
10	9.635	47	37.096	84	58.836	121	77.967	158	97.600	195	120.847	232*	150 819
11	10.480	48	37.744	85	59.373	122	78 477	159	98 167	196	121.555	233*	151 752
12	11.317	49	38.389	86	59.909	123	78.987	160	98 736	197	122.267	234*	152.691
13	12 149	50	39.030	87	60.442	124	79 498	161	99 309	198	122.985	235*	153.639
14	12.974	51	39.666	88	60.974	125	80.010	162	99.884	199	123.708	236*	154 593
15	13.793	52	40.299	89	61.505	126	80 522	163	100.462	200	124 436	237*	155 555
16	14.606	53	40.928	90	62.033	127	81 034	164	101 042	201	125 169	238*	156.524
17	15.413	54	41.553	91	62.561	128	81 548	165	101 626	202	125 907	239*	157.501
18	16.214	55	42.174	92	63.086	129	82 062	166	102 213	203	126 651	240*	158.486
19	17.009	56	42.792	93	63 611	130	82 577	167	102 803	204	127.400	241*	159 478
20	17 798	57	43.405	94	64.134	131	83 094	168	103.397	205	128.154	242*	160 478
21	18 581	58	44.016	95	64.655	132	83.611	169	103 993	206	128 915	243*	161 486
22	19.359	59	44.623	96	65.176	133	84 129	170	104 593	207	129.680	244*	162 502
23	20 130	60	45.226	97	65 695	134	84 648	171	105.196	208	130.452	245*	163 525
24	20.896	61	45.826	98	66.213	135	85 168	172	105.803	209	131.229	246*	164 557
25	21 657	62	46.423	99	66.730	136	85 690	173	106 413	210	132.012	247*	165.596
26	22 412	63	47.016	100	67.246	137	86 213	174	107 027	211	132 800	248*	166 644
27	23.161	64	47.607	101	67 762	138	86.737	175	107 644	212	133.595	249*	167 700
28	23.905	65	48.194	102	68.276	139	87 263	176	108.265	213	134 395	250*	168 764
29	24 644	66	48 778	103	68.790	140	87 790	177	108.890	214	135 202	251*	169.836
30	25.377	67	49.359	104	69.302	141	88.319	178	109.519	215	136 015	252*	170.917
31	26.105	68	49.937	105	69.814	142	88.849	179	110 151	216	136.833	253*	172.006
32	26.828	69	50.512	106	70.326	143	89.381	180	110.788	217	137.658	254*	173 104
33	27 546	70	51.085	107	70 837	144	89 914	181	111 428	218	138.490		
34	28.259	71	51.654	108	71.347	145	90 450	182	112 073	219	139 327		
35	28.967	72	52.221	109	71.857	146	90 987	183	112.721	220	140 171		
36	29.670	73	52.785	110	72.367	147	91.526	184	113.374	221	141.022		
37	30.368	74	53.347	111	72.876	148	92.067	185	114 031	222	141.878		

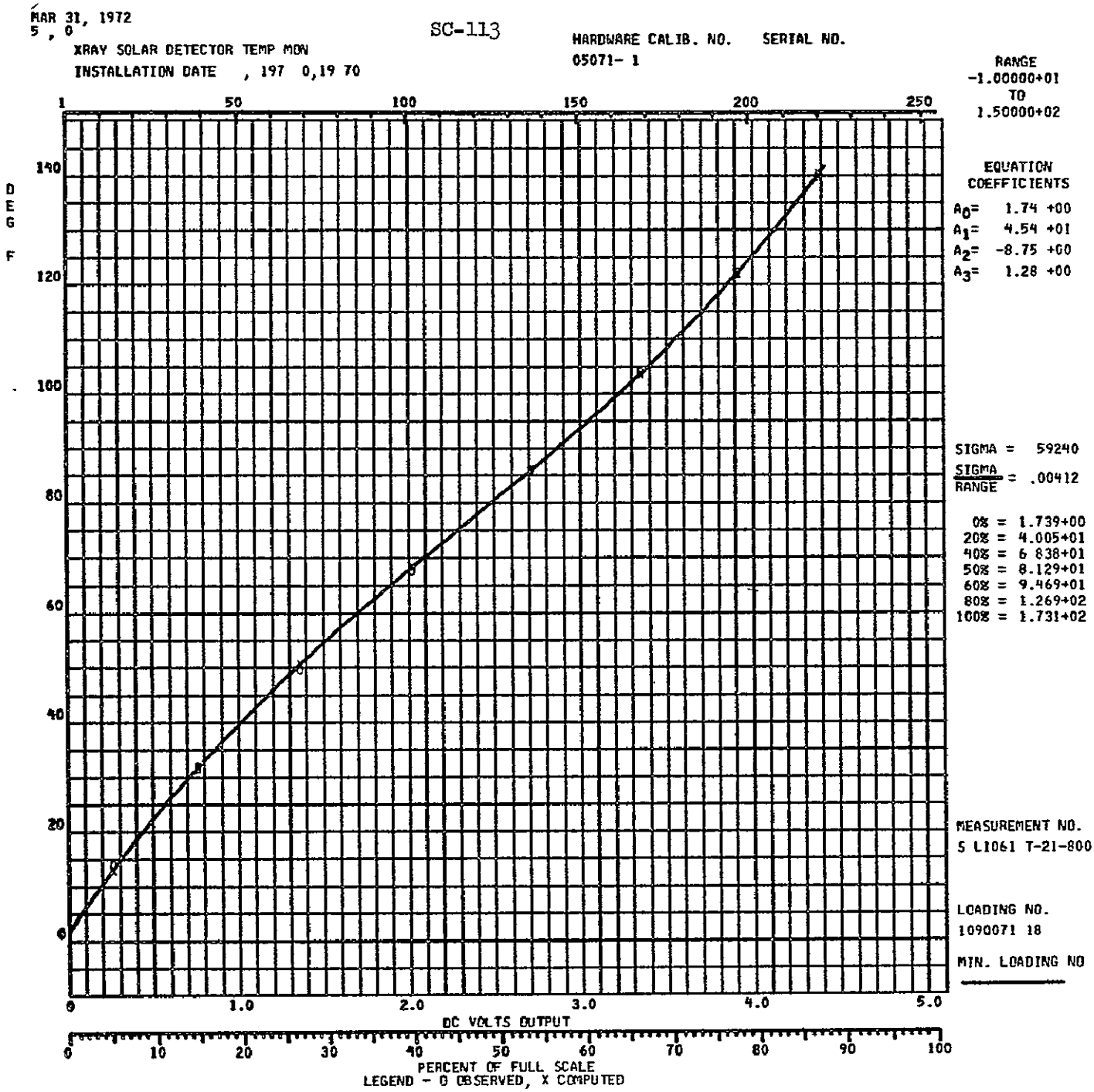
(* —— EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


MAR 31, 1972
5 , 0
XRAY LUNAR DETECTOR TEMP MON
INSTALLATION DATE , 197 0,19 70
SC-113
HARDWARE CALIB. NO. SERIAL NO.
05071- 1
RANGE
-1.00000+01
TO
1.50000+02
EQUATION
COEFFICIENTS
A0= 1.74 +00
A1= 4.54 +01
A2= -8.75 +00
A3= 1 28 +00
SIGMA = 59240
SIGMA/RANGE = 00412
0% = 1 739+00
20% = 4 005+01
40% = 6.838+01
50% = 8 129+01
60% = 9 469+01
80% = 1.269+02
100% = 1 731+02
MEASUREMENT NO
S L1060 T-21-800
LOADING NO
1080071 18
MIN. LOADING NO
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1060 T - 21. 800. CALIBRATED 0/ 0/70
HARDWARE NUMBERS 05071-1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.739	38	31.061	75	53 906	112	73.386	149	92.610	186	114 692	223	142 742
2	2.644	39	31.750	76	54.463	113	73.895	150	93.156	187	115 358	224	143.612
3	3.541	40	32.434	77	55.017	114	74.403	151	93.703	188	116.028	225	144 489
4	4 432	41	33 113	78	55 569	115	74.912	152	94.253	189	116.702	226	145 372
5	5 316	42	33.788	79	56.119	116	75.421	153	94 804	190	117.381	227	146.263
6	6 193	43	34 458	80	56.667	117	75.930	154	95 359	191	118 065	228	147.160
7	7 063	44	35.124	81	57.212	118	76.439	155	95.915	192	118 753	229	148.064
8	7 927	45	35.785	82	57.755	119	76.948	156	96.474	193	119 446	230	148.975
9	8.785	46	36.443	83	58 296	120	77.457	157	97.036	194	120.144	231	149 894
10	9.635	47	37.096	84	58.836	121	77.967	158	97 600	195	120 847	232*	150 819
11	10.480	48	37.744	85	59.373	122	78.477	159	98.167	196	121.555	233*	151 752
12	11.317	49	38 389	86	59.909	123	78.987	160	98.736	197	122.267	234*	152 691
13	12 149	50	39 030	87	60.442	124	79.498	161	99.309	198	122 985	235*	153.639
14	12 974	51	39.666	88	60 974	125	80.010	162	99.884	199	123 708	236*	154 593
15	13.793	52	40 299	89	61.505	126	80.522	163	100.462	200	124 436	237*	155.555
16	14.606	53	40 928	90	62.033	127	81.034	164	101 042	201	125.169	238*	156 524
17	15.413	54	41 553	91	62 561	128	81.548	165	101 626	202	125.907	239*	157.501
18	16.214	55	42.174	92	63.086	129	82 062	166	102.213	203	126 651	240*	158 486
19	17.009	56	42.792	93	63 611	130	82.577	167	102.803	204	127 400	241*	159.478
20	17 798	57	43.405	94	64.134	131	83.094	168	103.397	205	128 154	242*	160.478
21	18.581	58	44.016	95	64 655	132	83.611	169	103.993	206	128 915	243*	161.486
22	19.359	59	44.623	96	65.176	133	84.129	170	104.593	207	129.680	244*	162.502
23	20.130	60	45.226	97	65.695	134	84.648	171	105.196	208	130 452	245*	163 525
24	20 896	61	45.826	98	66.213	135	85.168	172	105 803	209	131 229	246*	164 557
25	21.657	62	46 423	99	66.730	136	85.690	173	106 413	210	132 012	247*	165 596
26	22.412	63	47.016	100	67.246	137	86.213	174	107.027	211	132 800	248*	166.644
27	23 161	64	47 607	101	67.762	138	86.737	175	107 644	212	133 595	249*	167.700
28	23 905	65	48.194	102	68 276	139	87.263	176	108.265	213	134.395	250*	168.764
29	24 644	66	48.778	103	68.790	140	87.790	177	108 890	214	135.202	251*	169.836
30	25 377	67	49.359	104	69.302	141	88.319	178	109.519	215	136.015	252*	170.917
31	26.105	68	49 937	105	69.814	142	88 849	179	110.151	216	136 833	253*	172 006
32	26.828	69	50.512	106	70 326	143	89.381	180	110.788	217	137 658	254*	173.104
33	27.546	70	51.085	107	70 837	144	89.914	181	111.428	218	138.490		
34	28.259	71	51.654	108	71.347	145	90.450	182	112.073	219	139.327		
35	28.967	72	52.221	109	71.857	146	90.987	183	112 721	220	140.171		
36	29.670	73	52.785	110	72.367	147	91.526	184	113.374	221	141.022		
37	30.368	74	53.347	111	72.876	148	92.067	185	114.031	222	141.878		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


MAR 31, 1972
5 , 0
XRAY SOLAR DETECTOR TEMP MON
INSTALLATION DATE , 197 0,19 70
HARDWARE CALIB. NO. SERIAL NO.
05071- 1
RANGE
-1.00000+01
TO
1.50000+02
EQUATION
COEFFICIENTS
A0= 1.74 +00
A1= 4.54 +01
A2= -8.75 +00
A3= 1.28 +00
SIGMA = 59240
SIGMA/RANGE = .00412
0% = 1.739+00
20% = 4.005+01
40% = 6 838+01
50% = 8.129+01
60% = 9.469+01
80% = 1.269+02
100% = 1.731+02
MEASUREMENT NO.
S L1061 T-21-800
LOADING NO.
1090071 18
MIN. LOADING NO
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

HICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1061 T - 21. 800. CALIBRATED 0/ 0/70
HARDWARE NUMBERS 05071- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.739	38	31 061	75	53.906	112	73.386	149	92.610	186	114.692	223	142 742
2	2 644	39	31.750	76	54 463	113	73.895	150	93.156	187	115.358	224	143 612
3	3 541	40	32 434	77	55 017	114	74 403	151	93.703	188	116.028	225	144 489
4	4.432	41	33 113	78	55 569	115	74 912	152	94.253	189	116 702	226	145 372
5	5 316	42	33 788	79	56 119	116	75.421	153	94.804	190	117 381	227	146 263
6	6.193	43	34.458	80	56.667	117	75.930	154	95.359	191	118 065	228	147 160
7	7.063	44	35.124	81	57.212	118	76.439	155	95.915	192	118.753	229	148 064
8	7.927	45	35.785	82	57.755	119	76.948	156	96.474	193	119.446	230	148 975
9	8.785	46	36.443	83	58.296	120	77.457	157	97.036	194	120 144	231	149 894
10	9.635	47	37 096	84	58.836	121	77.967	158	97.600	195	120.847	232*	150 819
11	10.480	48	37 744	85	59.373	122	78 477	159	98.167	196	121.555	233*	151.752
12	11.317	49	38.389	86	59 909	123	78 987	160	98.736	197	122.267	234*	152 691
13	12.149	50	39.030	87	60 442	124	79 498	161	99 309	198	122.985	235*	153.639
14	12 974	51	39.666	88	60 974	125	80 010	162	99.884	199	123 708	236*	154 593
15	13 793	52	40.299	89	61 505	126	80.522	163	100.462	200	124.436	237*	155 555
16	14.606	53	40.928	90	62 033	127	81 034	164	101.042	201	125 169	238*	156 524
17	15.413	54	41 553	91	62 561	128	81 548	165	101 626	202	125.907	239*	157 501
18	16.214	55	42 174	92	63.086	129	82 062	166	102 213	203	126.651	240*	158 486
19	17 009	56	42 792	93	63.611	130	82 577	167	102 803	204	127.400	241*	159.478
20	17.798	57	43 405	94	64 134	131	83 094	168	103 397	205	128 154	242*	160.478
21	18 581	58	44 016	95	64 655	132	83 611	169	103.993	206	128 915	243*	161 486
22	19.359	59	44.623	96	65.176	133	84.129	170	104.593	207	129.680	244*	162.502
23	20.130	60	45.226	97	65.695	134	84.648	171	105.196	208	130.452	245*	163 525
24	20.896	61	45.826	98	66.213	135	85.168	172	105.803	209	131.229	246*	164.557
25	21.657	62	46.423	99	66 730	136	85.690	173	106.413	210	132.012	247*	165.596
26	22 412	63	47 016	100	67.246	137	86.213	174	107 027	211	132 800	248*	166.644
27	23 161	64	47 607	101	67.762	138	86 737	175	107.644	212	133 595	249*	167 700
28	23 905	65	48 194	102	68:276	139	87 263	176	108 265	213	134 395	250*	168 764
29	24 644	66	48.778	103	68.790	140	87 790	177	108 890	214	135 202	251*	169.836
30	25.377	67	49 359	104	69.302	141	88 319	178	109.519	215	136.015	252*	170 917
31	26.105	68	49 937	105	69.814	142	88 849	179	110.151	216	136.833	253*	172 006
32	26.828	69	50.512	106	70.326	143	89 381	180	110.788	217	137.658	254*	173 104
33	27.546	70	51.085	107	70 837	144	89.914	181	111.428	218	138.490		
34	28.259	71	51.654	108	71.347	145	90 450	182	112.073	219	139.327		
35	28.967	72	52.221	109	71.857	146	90.987	183	112.721	220	140.171		
36	29.670	73	52.785	110	72.367	147	91.526	184	113.374	221	141 022		
37	30 368	74	53 347	111	72 876	148	92 067	185	114.031	222	141.878		

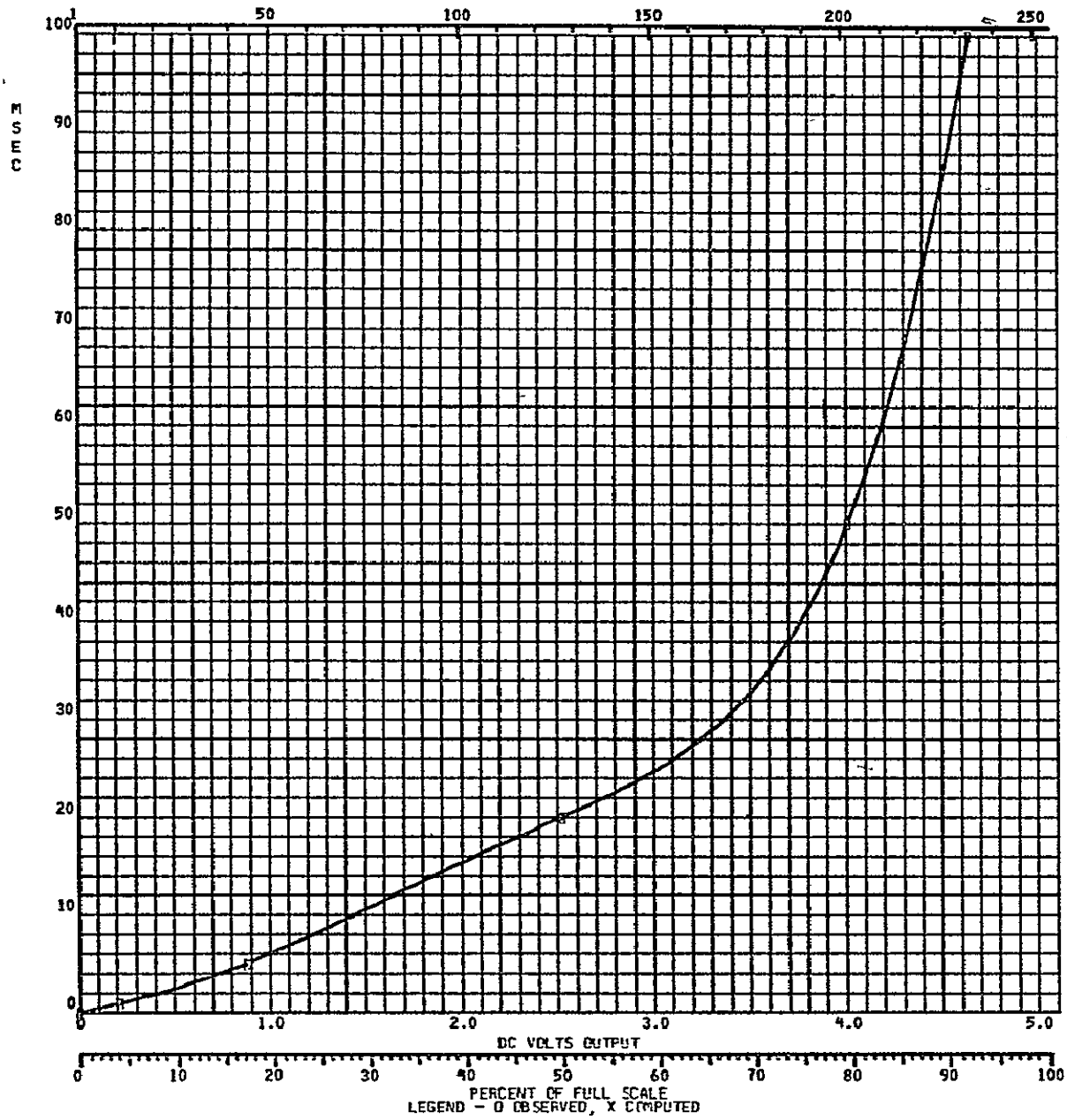
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

MAR 31, 1972
5 , 0

SC-113

ALPHA PART COUNT RATE METER
INSTALLATION DATE , 197 0,19 70

HARDWARE CALIB. NO. SERIAL NO
07030- 3



RANGE
0.00000
TO
1 00000+02

EQUATION
COEFFICIENTS

A_0= 5 11 -04
A_1= 4.37 +00
A_2= -1 66 -01
A_3= 3 20 +00
A_4= -1 63 +00
A_5= 2 41 -01

SIGMA = .17849

$\frac{\text{SIGMA}}{\text{RANGE}}$ = 00178

0% = 5 113-04
20% = 6.115+00
40% = 1 554+01
50% = 2.007+01
60% = 2.511+01
80% = 5 213+01
100% = 1.651+02

MEASUREMENT NO
S L1067 K- 2-800

LOADING NO.
1107030 18

MIN LOADING NO

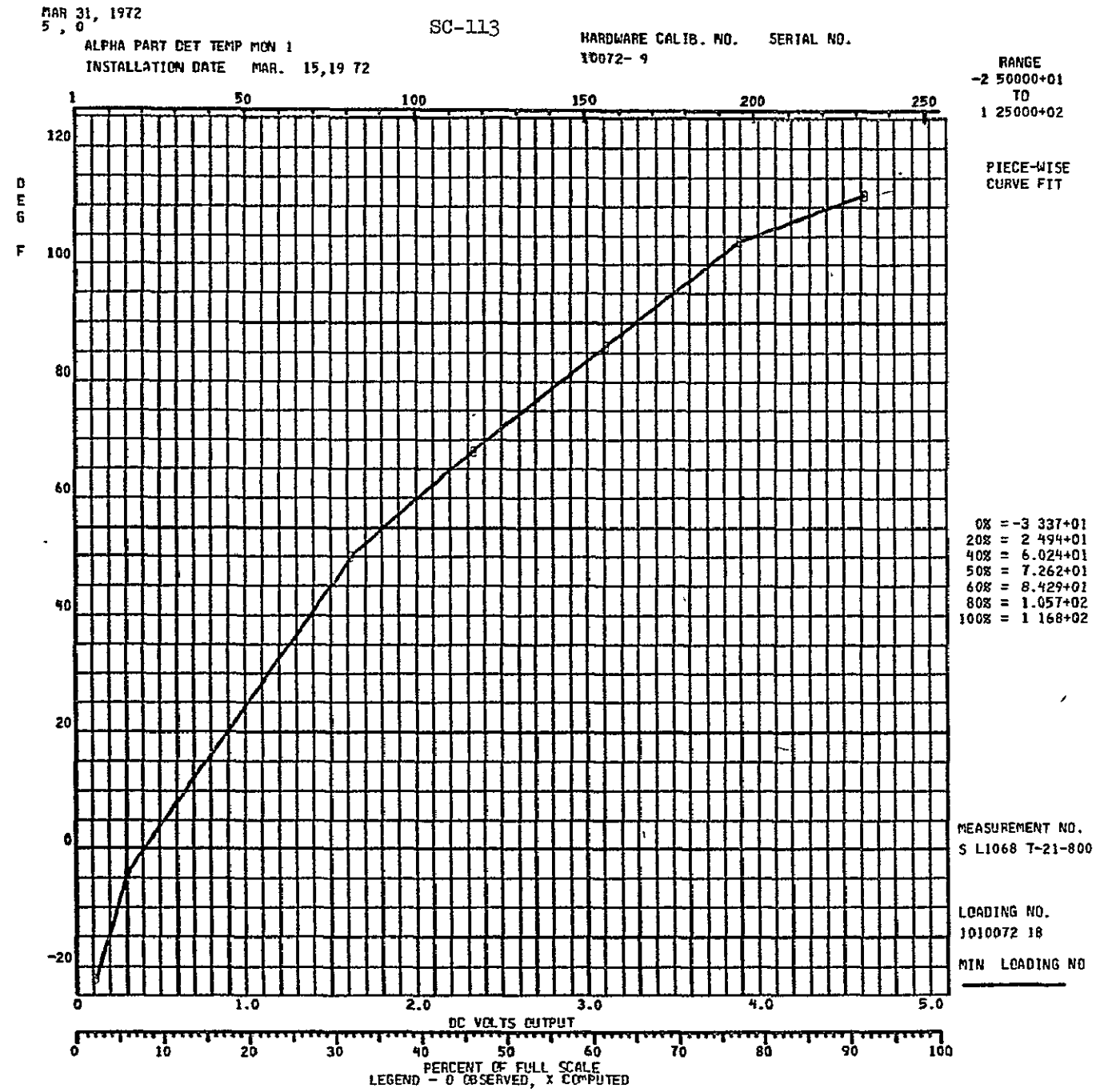
8-069 Change 3

21-21

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1067 K - 2. 800. CALIBRATED 0/ 0/70
HARDWARE NUMBERS 07030- 3.

CNT	MSEC	CNT	MSEC	CNT	MSEC	CNT	MSEC	CNT	MSEC	CNT	MSEC	CNT	MSEC
1	.001	38	4.005	75	10.369	112	17.323	149	24.231	186	38.014	223	79.570
2	.088	39	4.148	76	10.560	113	17.502	150	24.456	187	38 637	224	81 411
3	.175	40	4.293	77	10.752	114	17.680	151	24.686	188	39.280	225	83.301
4	.263	41	4.490	78	10.944	115	17.858	152	24.920	189	39.943	226	85.243
5	.351	42	4.589	79	11 136	116	18.036	153	25.158	190	40.626	227	87.236
6	.439	43	4.740	80	11.328	117	18.213	154	25.402	191	41.332	228	89.283
7	.528	44	4.893	81	11.521	118	18.390	155	25 652	192	42 059	229	91 383
8	.617	45	5.047	82	11.713	119	18 566	156	25.907	193	42 809	230	93.540
9	.708	46	5.204	83	11.906	120	18.743	157	26.169	194	43 583	231	95.752
10	.799	47	5.363	84	12 098	121	18.919	158	26.437	195	44.380	232	98.023
11	.891	48	5.523	85	12.290	122	19 095	159	26.711	196	45.203	233*	100.352
12	.985	49	5.685	86	12.482	123	19 271	160	26 992	197	46.051	234*	102.741
13	1.079	50	5.849	87	12.674	124	19.448	161	27.281	198	46 924	235*	105.192
14	1.175	51	6.015	88	12 866	125	19.624	162	27.577	199	47.825	236*	107.705
15	1.272	52	6.182	89	13.057	126	19.801	163	27.882	200	48 754	237*	110 281
16	1.371	53	6.351	90	13 248	127	19.978	164	28.194	201	49 710	238*	112.923
17	1.471	54	6.521	91	13.439	128	20 156	165	28.516	202	50 696	239*	115 631
18	1.572	55	6.693	92	13.629	129	20 334	166	28.846	203	51 711	240*	118.406
19	1.676	56	6.866	93	13 819	130	20.513	167	29.186	204	52 757	241*	121.250
20	1 781	57	7.041	94	14.009	131	20.693	168	29.536	205	53.835	242*	124 165
21	1.888	58	7.217	95	14.198	132	20.874	169	29.896	206	54 945	243*	127.150
22	1.996	59	7.395	96	14.386	133	21.055	170	30.267	207	56.087	244*	130.209
23	2.107	60	7.574	97	14.574	134	21.238	171	30.649	208	57.264	245*	133.342
24	2.219	61	7.754	98	14.762	135	21.422	172	31.042	209	58 475	246*	136 550
25	2.334	62	7.935	99	14.949	136	21.608	173	31.447	210	59.722	247*	139.835
26	2.450	63	8.117	100	15 135	137	21.795	174	31.864	211	61.005	248*	143 198
27	2.568	64	8.300	101	15.321	138	21.984	175	32.295	212	62.325	249*	146.641
28	2.688	65	8.485	102	15.506	139	22.175	176	32.738	213	63.683	250*	150.166
29	2.811	66	8.670	103	15.690	140	22.368	177	33.196	214	65.081	251*	153.773
30	2.935	67	8.856	104	15.874	141	22.564	178	33.667	215	66.518	252*	157.464
31	3.061	68	9.043	105	16.057	142	22.761	179	34.154	216	67.996	253*	161.241
32	3.190	69	9.230	106	16 240	143	22.962	180	34.655	217	69.517	254*	165.104
33	3.321	70	9.419	107	16.422	144	23.165	181	35.172	218	71.079		
34	3.453	71	9.608	108	16 603	145	23.371	182	35.706	219	72.686		
35	3.588	72	9.797	109	16 784	146	23.581	183	36.256	220	74 338		
36	3.725	73	9.987	110	16.964	147	23.794	184	36.824	221	76.035		
37	3.864	74	10.178	111	17.144	148	24.011	185	37.410	222	77.779		

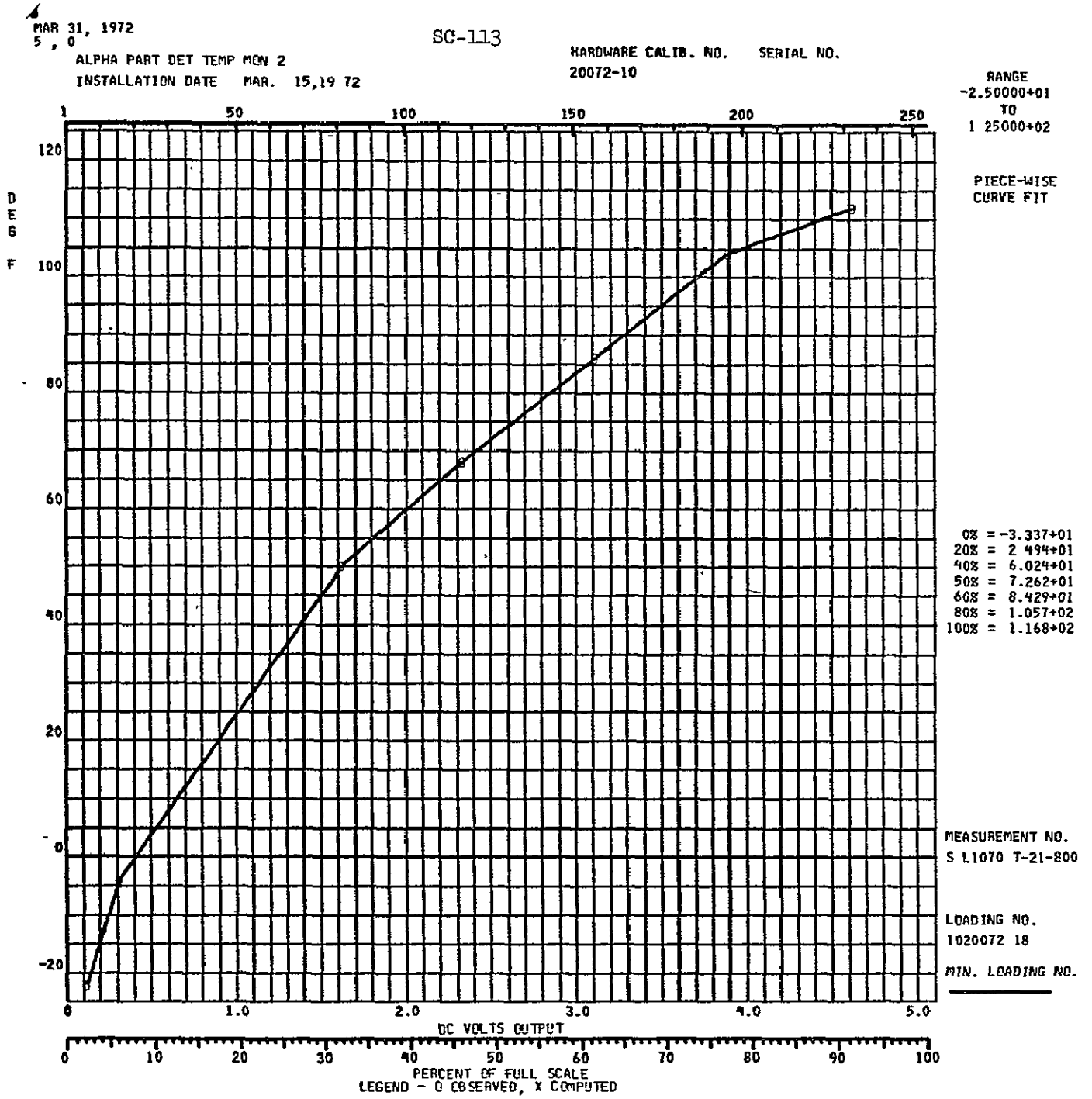
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


MAR 31, 1972
5 , 0
ALPHA PART DET TEMP MON 1
INSTALLATION DATE MAR. 15,19 72
HARDWARE CALIB. NO. SERIAL NO.
10072- 9
RANGE
-2 50000+01
TO
1 25000+02
PIECE-WISE
CURVE FIT
0% = -3 337+01
20% = 2 494+01
40% = 6.024+01
50% = 7.262+01
60% = 8.429+01
80% = 1.057+02
100% = 1 168+02
MEASUREMENT NO.
S L1068 T-21-800
LOADING NO.
1010072 18
MIN LOADING NO
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1068 T - 21. 800. CALIBRATED 3/15/72
HARDWARE NUMBERS 10072- 9

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-33 368	38	13.725	75	44 229	112	65.211	149	82 538	186	99 615	223	110 027
2*	-31.474	39	14.550	76	45.053	113	65 718	150	83.000	187	100 077	224	110.247
3*	-29.579	40	15.374	77	45.878	114	66 225	151	83 462	188	100.538	225	110 466
4*	-27.684	41	16.198	78	46.702	115	66 732	152	83.923	189	101 000	226	110.685
5*	-25 789	42	17.023	79	47.527	116	67.239	153	84.385	190	101 462	227	110.904
6	-23.895	43	17.847	80	48 351	117	67.746	154	84 846	191	101 923	228	111.123
7	-22 000	44	18 672	81	49.176	118	68.231	155	85.308	192	102 385	229	111.342
8	-20.105	45	19 496	82	50 000	119	68.692	156	85 769	193	102 846	230	111.562
9	-18.211	46	20.321	83	50.507	120	69.154	157	86.231	194	103.308	231	111.781
10	-16 316	47	21.145	84	51.014	121	69 615	158	86.692	195	103.769	232	112 000
11	-14.421	48	21.969	85	51 521	122	70.077	159	87.154	196	104.110	233	112.219
12	-12.526	49	22.794	86	52.028	123	70.538	160	87 615	197	104 329	234	112.438
13	-10.632	50	23 618	87	52.535	124	71.000	161	88 077	198	104 548	235	112.658
14	-8.737	51	24.443	88	53.042	125	71 462	162	88 538	199	104 767	236	112.877
15	-6.842	52	25.267	89	53 549	126	71.923	163	89 000	200	104.986	237	113.096
16	-4.947	53	26 092	90	54 056	127	72 385	164	89 462	201	105 205	238	113.315
17	-3.588	54	26.916	91	54 563	128	72.846	165	89 923	202	105 425	239	113 534
18	-2.763	55	27.740	92	55.070	129	73.308	166	90 385	203	105 644	240	113.753
19	-1 939	56	28 565	93	55 577	130	73 769	167	90 846	204	105 863	241	113 973
20	-1.115	57	29.389	94	56 085	131	74 231	168	91 308	205	106 082	242	114 192
21	-.290	58	30 214	95	56 592	132	74 692	169	91 769	206	106 301	243	114 411
22	.534	59	31.038	96	57.099	133	75 154	170	92 231	207	106 521	244	114.630
23	1.359	60	31.863	97	57.606	134	75 615	171	92.692	208	106 740	245	114.849
24	2 183	61	32.687	98	58 113	135	76 077	172	93 154	209	106 959	246	115.068
25	3 008	62	33 511	99	58 620	136	76.538	173	93 615	210	107.178	247	115.288
26	3 832	63	34.336	100	59 127	137	77.000	174	94.077	211	107.397	248	115 507
27	4.656	64	35.160	101	59.634	138	77 462	175	94 538	212	107.616	249	115.726
28	5.481	65	35 985	102	60.141	139	77 923	176	95 000	213	107 836	250	115.945
29	6.305	66	36.809	103	60.648	140	78 385	177	95.462	214	108.055	251	116.164
30	7.130	67	37.634	104	61.155	141	78.846	178	95.923	215	108.274	252	116.384
31	7.954	68	38.458	105	61 662	142	79 308	179	96 385	216	108.493	253	116 603
32	8.779	69	39.282	106	62.169	143	79 769	180	96 846	217	108 712	254	116.822
33	9 603	70	40 107	107	62.676	144	80 231	181	97.308	218	108 932		
34	10.427	71	40 931	108	63.183	145	80 692	182	97.769	219	109 151		
35	11.252	72	41.756	109	63 690	146	81.154	183	98 231	220	109.370		
36	12.076	73	42 580	110	64.197	147	81.615	184	98.692	221	109.589		
37	12.901	74	43.405	111	64 704	148	82.077	185	99 154	222	109.808		

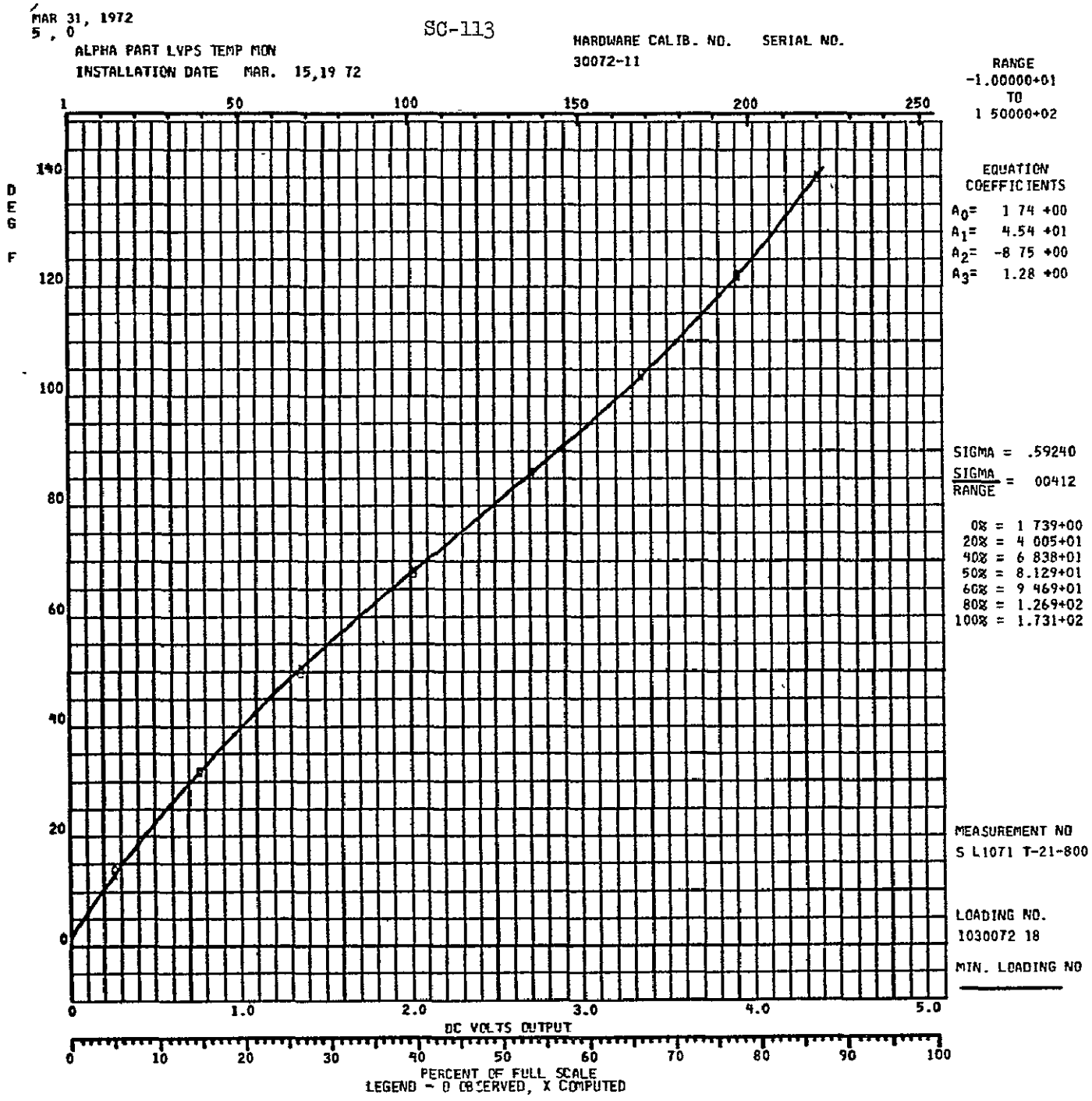
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE)


MAR 31, 1972
5 , 0
SC-113
ALPHA PART DET TEMP MON 2
INSTALLATION DATE MAR. 15,19 72
HARDWARE CALIB. NO. SERIAL NO.
20072-10
RANGE
-2.50000+01
TO
1 25000+02
PIECE-WISE
CURVE FIT
DEG F
1
50
100
150
200
250
120
100
80
60
40
20
0
-20
0% = -3.337+01
20% = 2 494+01
40% = 6.024+01
50% = 7.262+01
60% = 8.429+01
80% = 1.057+02
100% = 1.168+02
MEASUREMENT NO.
S L1070 T-21-800
LOADING NO.
1020072 18
MIN. LOADING NO.
0
1.0
2.0
3.0
4.0
5.0
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S-L-1070 T - 21. 800. CALIBRATED 3/15/72
HARDWARE NUMBERS 20072- 10.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-33.368	38	13.725	75	44.229	112	65.211	149	82.538	186	99.615	223	110.027
2*	-31.474	39	14.550	76	45.053	113	65.718	150	83.000	187	100.077	224	110.247
3*	-29.579	40	15.374	77	45.878	114	66.225	151	83.462	188	100.538	225	110 466
4*	-27.684	41	16.198	78	46.702	115	66.732	152	83.923	189	101.000	226	110 685
5*	-25.789	42	17 023	79	47.527	116	67.239	153	84.385	190	101.462	227	110.904
6	-23.895	43	17 847	80	48.351	117	67.746	154	84.846	191	101.923	228	111.123
7	-22.000	44	18.672	81	49.176	118	68.231	155	85.308	192	102 385	229	111.342
8	-20.105	45	19.496	82	50.000	119	68.692	156	85.769	193	102.846	230	111.562
9	-18.211	46	20.321	83	50.507	120	69.154	157	86.231	194	103 308	231	111.781
10	-16.316	47	21.145	84	51.014	121	69.615	158	86.692	195	103.769	232	112.000
11	-14.421	48	21 969	85	51.521	122	70.077	159	87 154	196	104.110	233	112.219
12	-12.526	49	22 794	86	52.028	123	70.538	160	87.615	197	104 329	234	112.438
13	-10 632	50	23.618	87	52 535	124	71.000	161	88.077	198	104.548	235	112 658
14	-8.737	51	24 443	88	53.042	125	71.462	162	88.538	199	104.767	236	112 877
15	-6.842	52	25.267	89	53 549	126	71.923	163	89.000	200	104.986	237	113 096
16	-4.947	53	26 092	90	54.056	127	72.385	164	89.462	201	105.205	238	113 315
17	-3.588	54	26 916	91	54 563	128	72.846	165	89 923	202	105.425	239	113.534
18	-2 763	55	27 740	92	55 070	129	73.308	166	90 385	203	105.644	240	113.753
19	-1.939	56	28 565	93	55.577	130	73.769	167	90 846	204	105.863	241	113 973
20	-1.115	57	29 389	94	56 085	131	74.231	168	91 308	205	106.082	242	114 192
21	-.290	58	30.214	95	56 592	132	74 692	169	91.769	206	106.301	243	114 411
22	534	59	31 038	96	57.099	133	75 154	170	92 231	207	106.521	244	114 630
23	1.359	60	31.863	97	57 606	134	75.615	171	92 692	208	106 740	245	114.849
24	2.183	61	32 687	98	58 113	135	76.077	172	93 154	209	106 959	246	115 068
25	3 008	62	33.511	99	58 620	136	76.538	173	93 615	210	107 178	247	115.288
26	3 832	63	34 336	100	59.127	137	77.000	174	94 077	211	107 397	248	115 507
27	4.656	64	35 160	101	59.634	138	77.462	175	94 538	212	107 616	249	115 726
28	5.481	65	35 985	102	60.141	139	77.923	176	95 000	213	107.836	250	115.945
29	6.305	66	36 809	103	60.648	140	78.385	177	95.462	214	108 055	251	116 164
30	7.130	67	37 634	104	61.155	141	78.846	178	95.923	215	108.274	252	116 384
31	7.954	68	38 458	105	61.662	142	79.308	179	96 385	216	108.493	253	116 603
32	8.779	69	39 282	106	62.169	143	79.769	180	96.846	217	108.712	254	116.822
33	9.603	70	40.107	107	62.676	144	80.231	181	97.308	218	108 932		
34	10.427	71	40 931	108	63.183	145	80 692	182	97.769	219	109 151		
35	11.252	72	41.756	109	63.690	146	81.154	183	98.231	220	109 370		
36	12.076	73	42.580	110	64.197	147	81.615	184	98.692	221	109 589		
37	12.901	74	43.405	111	64.704	148	82.077	185	99.154	222	109 808		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


MAR 31, 1972
5 , 0
ALPHA PART LVPS TEMP MON
INSTALLATION DATE MAR. 15,19 72
HARDWARE CALIB. NO. SERIAL NO.
30072-11
RANGE
-1.00000+01
TO
1 50000+02
EQUATION
COEFFICIENTS
A0= 1 74 +00
A1= 4.54 +01
A2= -8 75 +00
A3= 1.28 +00
SIGMA = .59240
SIGMA/RANGE = 00412
0% = 1 739+00
20% = 4 005+01
40% = 6 838+01
50% = 8.129+01
60% = 9 469+01
80% = 1.269+02
100% = 1.731+02
MEASUREMENT NO
S L1071 T-21-800
LOADING NO.
1030072 18
MIN. LOADING NO
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1071 T - 21. 800. CALIBRATED 3/15/72
HARDWARE NUMBERS 30072- 11.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.739	38	31.061	75	53.906	112	73.386	149	92.610	186	114 692	223	142.742
2	2.644	39	31.750	76	54.463	113	73.895	150	93.156	187	115.358	224	143 612
3	3.541	40	32.434	77	55 017	114	74.403	151	93.703	188	116.028	225	144.489
4	4.432	41	33.113	78	55.569	115	74.912	152	94.253	189	116 702	226	145.372
5	5.316	42	33 788	79	56.119	116	75.421	153	94 804	190	117 381	227	146 263
6	6.193	43	34.458	80	56.667	117	75.930	154	95 359	191	118 065	228	147 160
7	7.063	44	35.124	81	57.212	118	76.439	155	95 915	192	118.753	229	148 064
8	7.927	45	35.785	82	57.755	119	76.948	156	96 474	193	119 446	230	148 975
9	8.785	46	36.443	83	58.296	120	77.457	157	97.036	194	120 144	231	149.894
10	9.635	47	37 096	84	58.836	121	77.967	158	97.600	195	120.847	232*	150 819
11	10 480	48	37 744	85	59.373	122	78.477	159	98.167	196	121 555	233*	151 752
12	11 317	49	38.389	86	59.909	123	78.987	160	98 736	197	122 267	234*	152 691
13	12 149	50	39.030	87	60.442	124	79.498	161	99 309	198	122.985	235*	153 639
14	12.974	51	39.666	88	60.974	125	80.010	162	99 884	199	123.708	236*	154.593
15	13.793	52	40.299	89	61.505	126	80.522	163	100.462	200	124.436	237*	155 555
16	14.606	53	40.928	90	62 033	127	81.034	164	101.042	201	125 169	238*	156.524
17	15.413	54	41 553	91	62.561	128	81.548	165	101.626	202	125 907	239*	157 501
18	16.214	55	42 174	92	63.086	129	82 062	166	102 213	203	126 651	240*	158 486
19	17.009	56	42 792	93	63 611	130	82.577	167	102 803	204	127 400	241*	159 478
20	17.798	57	43.405	94	64.134	131	83.094	168	103 397	205	128.154	242*	160 478
21	18.581	58	44.016	95	64.655	132	83.611	169	103 993	206	128 915	243*	161 486
22	19.359	59	44.623	96	65.176	133	84.129	170	104 593	207	129.680	244*	162 502
23	20.130	60	45.226	97	65.695	134	84.648	171	105.196	208	130.452	245*	163 525
24	20.896	61	45.826	98	66.213	135	85.168	172	105 803	209	131.229	246*	164 557
25	21.657	62	46 423	99	66 730	136	85 690	173	106.413	210	132 012	247*	165 596
26	22.412	63	47 016	100	67.246	137	86.213	174	107.027	211	132.800	248*	166.644
27	23.161	64	47.607	101	67.762	138	86.737	175	107.644	212	133 595	249*	167.700
28	23 905	65	48.194	102	68.276	139	87.263	176	108 265	213	134.395	250*	168 764
29	24.644	66	48.778	103	68.790	140	87.790	177	108.890	214	135 202	251*	169.836
30	25 377	67	49.359	104	69 302	141	88.319	178	109.519	215	136.015	252*	170 917
31	26 105	68	49 937	105	69 814	142	88.849	179	110.151	216	136 833	253*	172 006
32	26 828	69	50 512	106	70 326	143	89 381	180	110.788	217	137 658	254*	173 104
33	27 546	70	51.085	107	70 837	144	89.914	181	111.428	218	138 490		
34	28.259	71	51.654	108	71.347	145	90.450	182	112.073	219	139 327		
35	28.967	72	52.221	109	71.857	146	90.987	183	112.721	220	140.171		
36	29.670	73	52.785	110	72.367	147	91.526	184	113.374	221	141 022		
37	30 368	74	53.347	111	72 876	148	92.067	185	114.031	222	141 878		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

03/07/72

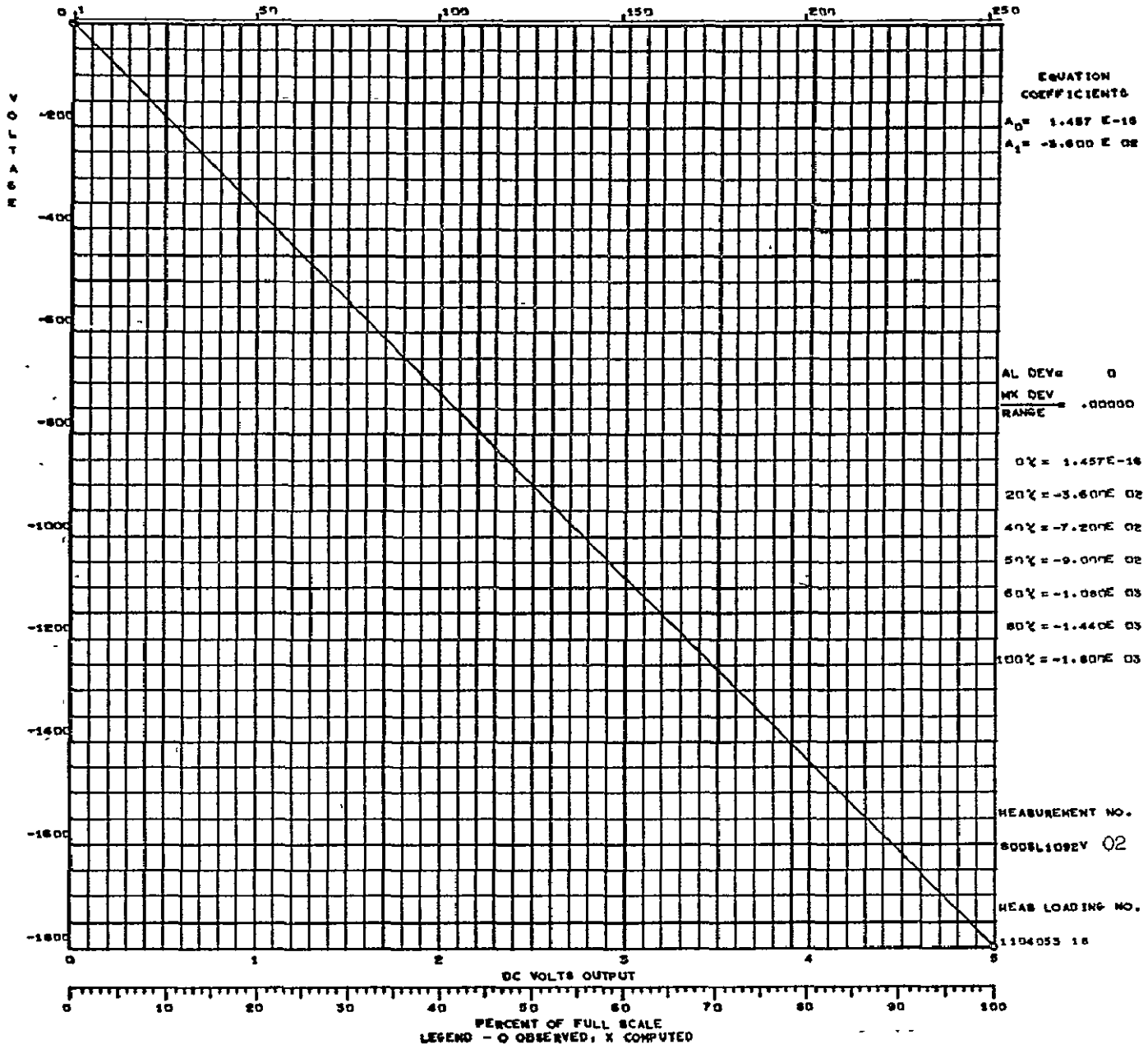
1 INSTALLATION DATE JAN. 10:1972

LASER ALT PHOTO MULT VOLT

CAL RANGE -1800.00 TO 0

SC-113

HARDWARE CALIB. NO. SERIAL NO. 0005



**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

LASER ALT PHOTO MULT VOLT

MEASUREMENT NO. 0001L1092V02
VEHICLE SC-115-EXP
TRANSDUCER SERIAL NO. 0005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO.
CALIBRATION DATE 01/10/72

CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG
1	0.000	37	-259.200	73	-518.400	109	-777.600	145	-1036.800	181	-1296.000	217	-1555.200
2	-7.200	38	-266.400	74	-525.600	110	-784.800	146	-1044.000	182	-1303.200	218	-1562.400
3	-14.400	39	-273.600	75	-532.800	111	-792.000	147	-1051.200	183	-1310.400	219	-1569.600
4	-21.600	40	-280.000	76	-540.000	112	-799.200	148	-1058.400	184	-1317.600	220	-1576.800
5	-28.800	41	-288.000	77	-547.200	113	-806.400	149	-1065.600	185	-1324.800	221	-1584.000
6	-36.000	42	-295.200	78	-554.400	114	-813.600	150	-1072.800	186	-1332.000	222	-1591.200
7	-43.200	43	-302.400	79	-561.600	115	-820.800	151	-1080.000	187	-1339.200	223	-1598.400
8	-50.400	44	-309.600	80	-568.800	116	-828.000	152	-1087.200	188	-1346.400	224	-1605.600
9	-57.600	45	-316.800	81	-576.000	117	-835.200	153	-1094.400	189	-1353.600	225	-1612.800
10	-64.800	46	-324.000	82	-583.200	118	-842.400	154	-1101.600	190	-1360.800	226	-1620.000
11	-72.000	47	-331.200	83	-590.400	119	-849.600	155	-1108.800	191	-1368.000	227	-1627.200
12	-79.200	48	-338.400	84	-597.600	120	-856.800	156	-1116.000	192	-1375.200	228	-1634.400
13	-86.400	49	-345.600	85	-604.800	121	-864.000	157	-1123.200	193	-1382.400	229	-1641.600
14	-93.600	50	-352.800	86	-612.000	122	-871.200	158	-1130.400	194	-1389.600	230	-1648.800
15	-100.800	51	-360.000	87	-619.200	123	-878.400	159	-1137.600	195	-1396.800	231	-1656.000
16	-108.000	52	-367.200	88	-626.400	124	-885.600	160	-1144.800	196	-1404.000	232	-1663.200
17	-115.200	53	-374.400	89	-633.600	125	-892.800	161	-1152.000	197	-1411.200	233	-1670.400
18	-122.400	54	-381.600	90	-640.800	126	-900.000	162	-1159.200	198	-1418.400	234	-1677.600
19	-129.600	55	-388.800	91	-648.000	127	-907.200	163	-1166.400	199	-1425.600	235	-1684.800
20	-136.800	56	-396.000	92	-655.200	128	-914.400	164	-1173.600	200	-1432.800	236	-1692.000
21	-144.000	57	-403.200	93	-662.400	129	-921.600	165	-1180.800	201	-1440.000	237	-1699.200
22	-151.200	58	-410.400	94	-669.600	130	-928.800	166	-1188.000	202	-1447.200	238	-1706.400
23	-158.400	59	-417.600	95	-676.800	131	-936.000	167	-1195.200	203	-1454.400	239	-1713.600
24	-165.600	60	-424.800	96	-684.000	132	-943.200	168	-1202.400	204	-1461.600	240	-1720.800
25	-172.800	61	-432.000	97	-691.200	133	-950.400	169	-1209.600	205	-1468.800	241	-1728.000
26	-180.000	62	-439.200	98	-698.400	134	-957.600	170	-1216.800	206	-1476.000	242	-1735.200
27	-187.200	63	-446.400	99	-705.600	135	-964.800	171	-1224.000	207	-1483.200	243	-1742.400
28	-194.400	64	-453.600	100	-712.800	136	-972.000	172	-1231.200	208	-1490.400	244	-1749.600
29	-201.600	65	-460.800	101	-720.000	137	-979.200	173	-1238.400	209	-1497.600	245	-1756.800
30	-208.800	66	-468.000	102	-727.200	138	-986.400	174	-1245.600	210	-1504.800	246	-1764.000
31	-216.000	67	-475.200	103	-734.400	139	-993.600	175	-1252.800	211	-1512.000	247	-1771.200
32	-223.200	68	-482.400	104	-741.600	140	-1000.800	176	-1260.000	212	-1519.200	248	-1778.400
33	-230.400	69	-489.600	105	-748.800	141	-1008.000	177	-1267.200	213	-1526.400	249	-1785.600
34	-237.600	70	-496.800	106	-756.000	142	-1015.200	178	-1274.400	214	-1533.600	250	-1792.800
35	-244.800	71	-504.000	107	-763.200	143	-1022.400	179	-1281.600	215	-1540.800	251	-1800.000
36	-252.000	72	-511.200	108	-770.400	144	-1029.600	180	-1288.800	216	-1548.000		

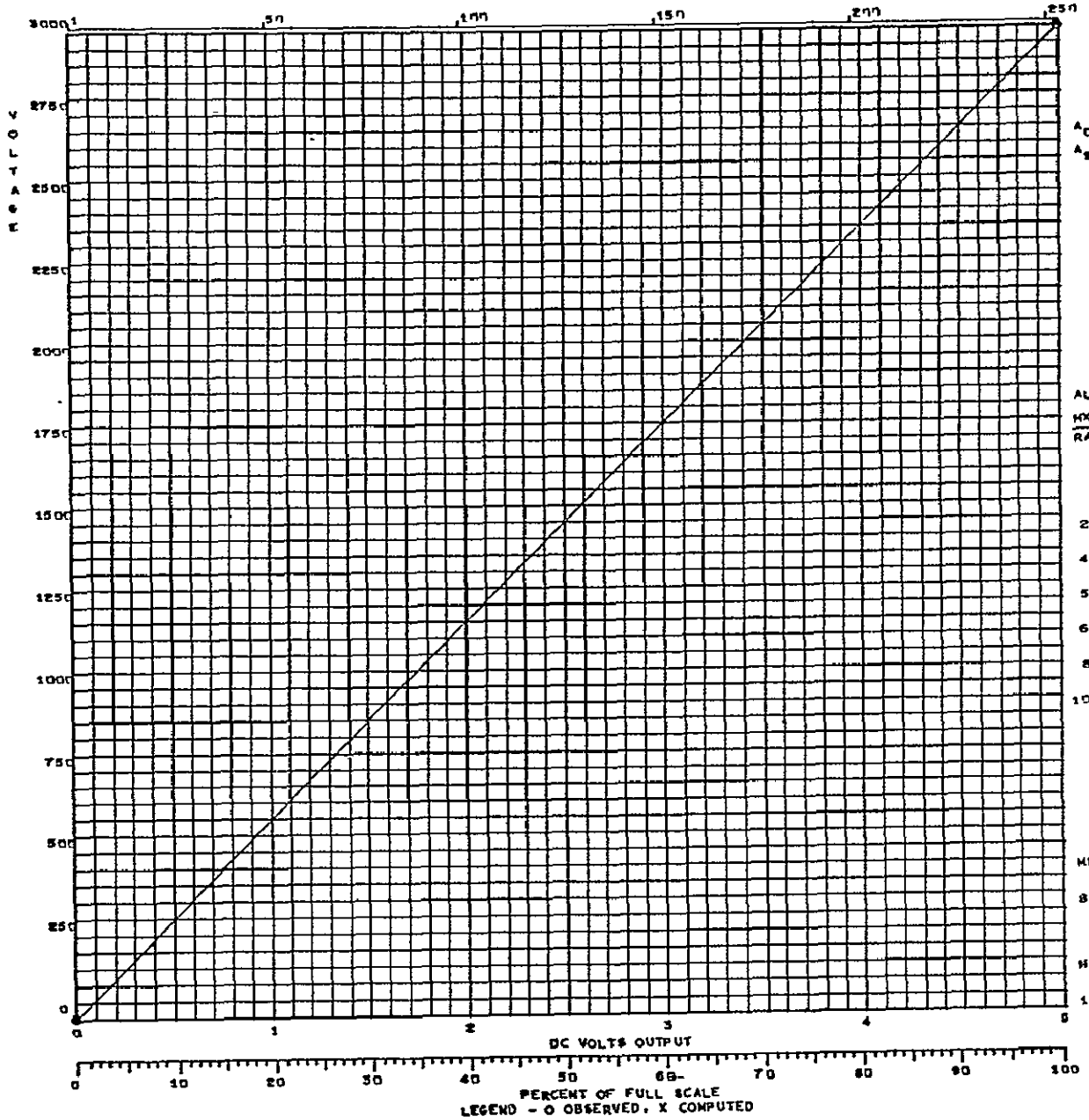
1 INSTALLATION DATE JAN. 10:1972

LASER ALTIMETER PFN VOLT

CAL RANGE 0 TO 3000.00

SC-113

HARDWARE CALIB. NO. SERIAL NO. 0005



EQUATION COEFFICIENTS

A_0= -2.446 E-16

A_1= 6.000 E 02

AL DEV= 0

HX DEV / RANGE = .00000

0% = -2 446E-16

20% = 6 000E 02

40% = 1.200E 03

50% = 1.500E 03

60% = 1.800E 03

80% = 2.400E 03

100% = 3 000E 03

MEASUREMENT NO.

3008L1093V 02

HEAS LOADING NO.

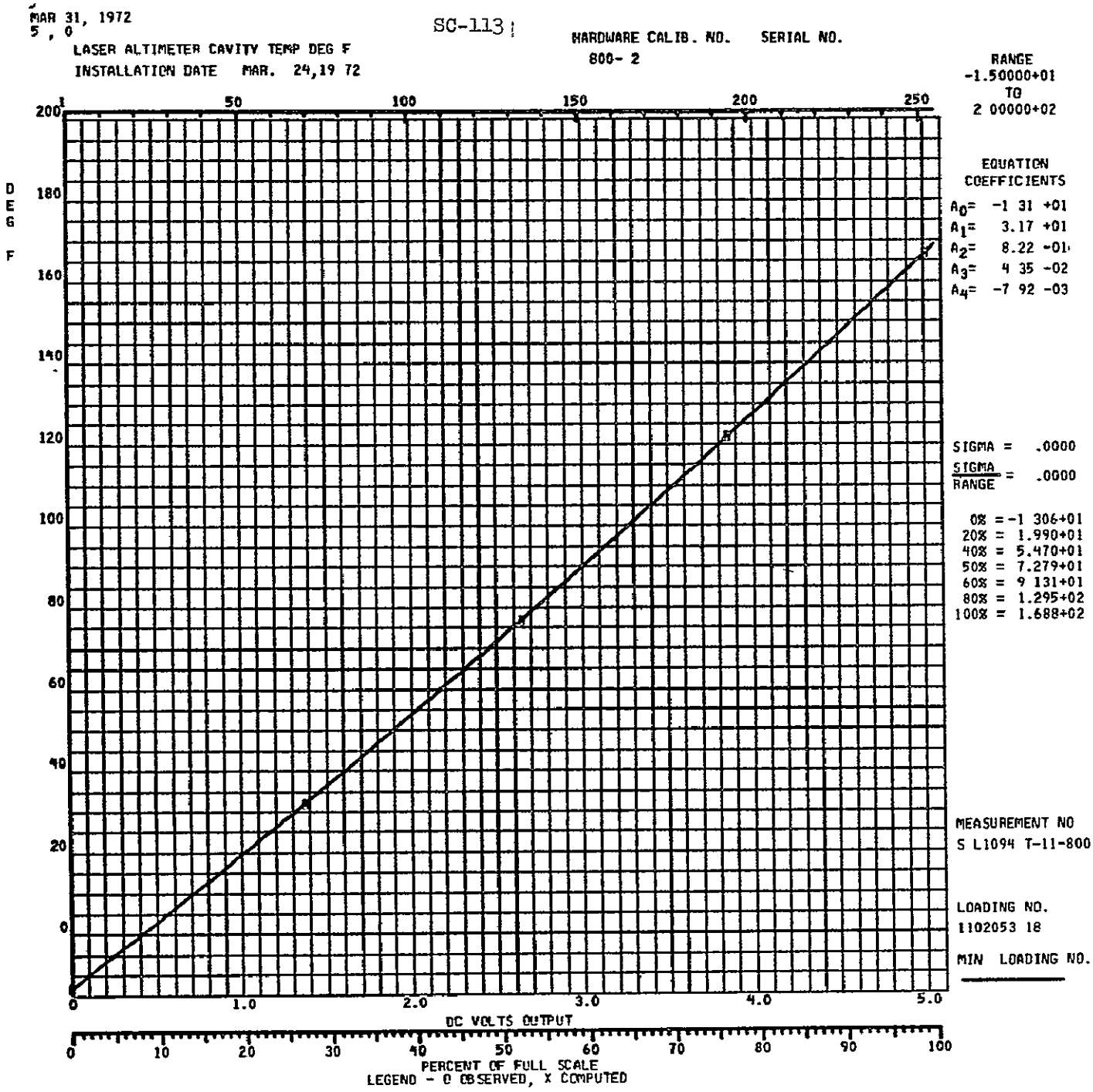
1105053 16

**** CALIBRATION TABLE OF COUNTS VS ENGINEERING UNITS ****

LASER ALTIMETER PFN VOLT

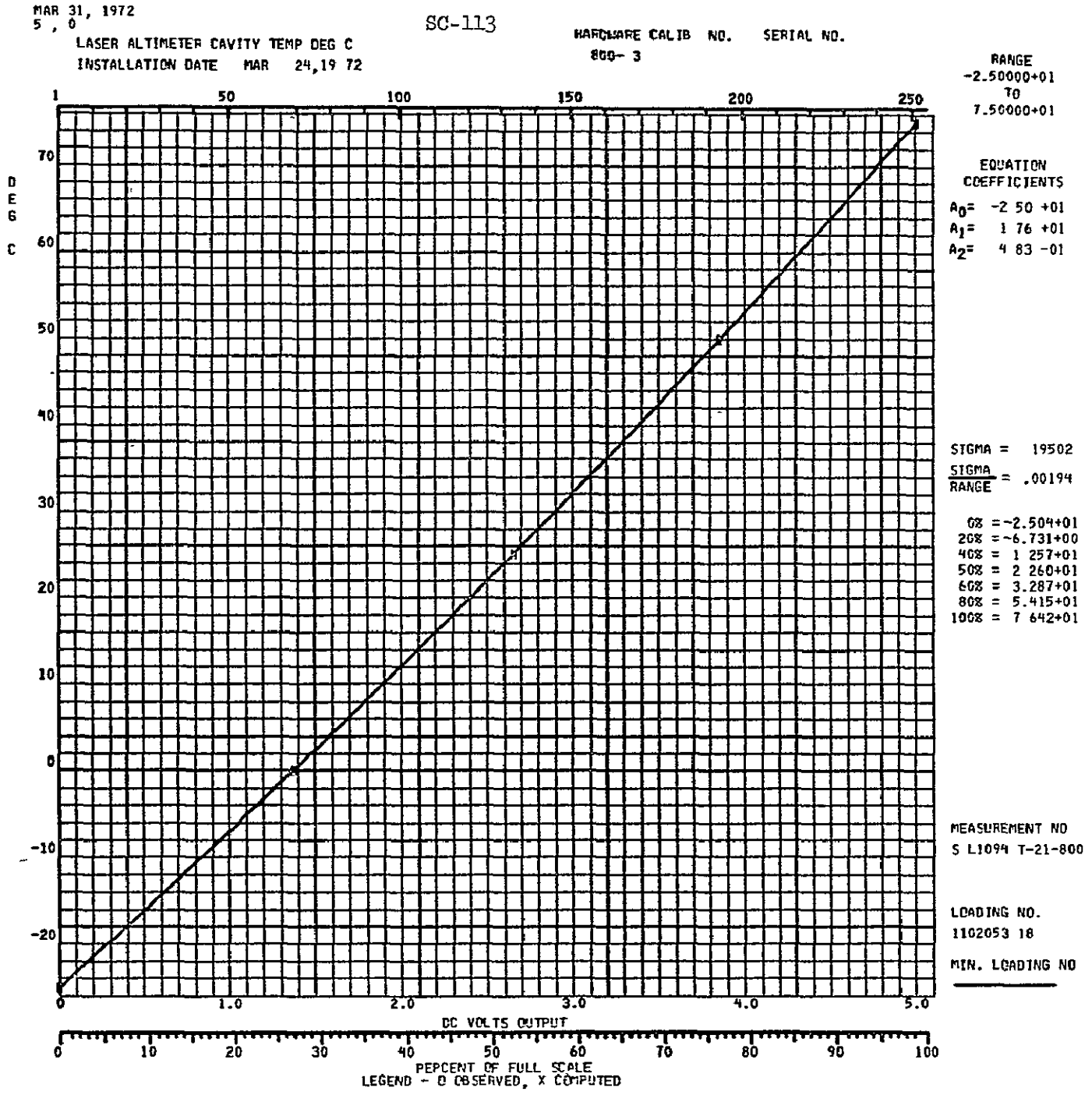
MEASUREMENT NO: 8005L1003V 02
VEHICLE SC-113-EXP
TRANSDUCER SERIAL NO. 0005
SIGNAL CONDITIONER SERIAL NO.
AUXILIARY COMPONENT SERIAL NO:
CALIBRATION DATE 01/10/72

CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG	CNT	VOLTAG
1	-0.000	37	432.000	73	864.000	109	1296.000	145	1728.000	181	2160.000	217	2592.000
2	12.000	38	444.000	74	876.000	110	1308.000	146	1740.000	182	2172.000	218	2604.000
3	24.000	39	456.000	75	888.000	111	1320.000	147	1752.000	183	2184.000	219	2616.000
4	36.000	40	468.000	76	900.000	112	1332.000	148	1764.000	184	2196.000	220	2628.000
5	48.000	41	480.000	77	912.000	113	1344.000	149	1776.000	185	2208.000	221	2640.000
6	60.000	42	492.000	78	924.000	114	1356.000	150	1788.000	186	2220.000	222	2652.000
7	72.000	43	504.000	79	936.000	115	1368.000	151	1800.000	187	2232.000	223	2664.000
8	84.000	44	516.000	80	948.000	116	1380.000	152	1812.000	188	2244.000	224	2676.000
9	96.000	45	528.000	81	960.000	117	1392.000	153	1824.000	189	2256.000	225	2688.000
10	108.000	46	540.000	82	972.000	118	1404.000	154	1836.000	190	2268.000	226	2700.000
11	120.000	47	552.000	83	984.000	119	1416.000	155	1848.000	191	2280 000	227	2712.000
12	132.000	48	564.000	84	996.000	120	1428.000	156	1860.000	192	2292.000	228	2724.000
13	144.000	49	576.000	85	1008.000	121	1440.000	157	1872.000	193	2304.000	229	2736.000
14	156.000	50	588.000	86	1020.000	122	1452.000	158	1884.000	194	2316.001	230	2748.000
15	168.000	51	600 000	87	1032.000	123	1464.000	159	1896.000	195	2328.001	231	2760.000
16	180.000	52	612.000	88	1044.000	124	1476.000	160	1908.000	196	2340.001	232	2772.000
17	192.000	53	624.000	89	1056.000	125	1488.000	161	1920.000	197	2352.001	233	2784.000
18	204.000	54	636.000	90	1068.000	126	1500.000	162	1932.000	198	2364.001	234	2796.000
19	216.000	55	648.000	91	1080.000	127	1512.000	163	1944.000	199	2376.001	235	2808.000
20	228.000	56	660.000	92	1092.000	128	1524.000	164	1956.000	200	2388 001	236	2820.000
21	240.000	57	672.000	93	1104.000	129	1536.000	165	1968.000	201	2400 001	237	2832.000
22	252.000	58	684:000	94	1116.000	130	1548.000	166	1980.000	202	2412.001	238	2844.000
23	264.000	59	696.000	95	1128.000	131	1560 000	167	1992.000	203	2424.001	239	2856.000
24	276.000	60	708.000	96	1140.000	132	1572.000	168	2004.000	204	2436.000	240	2868.000
25	288.000	61	720.000	97	1152.000	133	1584.000	169	2016.000	205	2448 000	241	2880.000
26	300.000	62	732.000	98	1164.000	134	1596.000	170	2028 000	206	2460.000	242	2892.000
27	312.000	63	744.000	99	1176.000	135	1608.000	171	2040.000	207	2472.000	243	2904.000
28	324.000	64	756.000	100	1188.000	136	1620.000	172	2052.000	208	2484.000	244	2916.000
29	336.000	65	768.000	101	1200.000	137	1632.000	173	2064.000	209	2496.000	245	2928.000
30	348.000	66	780.000	102	1212.000	138	1644.000	174	2076.000	210	2508.000	246	2940.000
31	360 000	67	792.000	103	1224.000	139	1656.000	175	2088.000	211	2520 000	247	2952.000
32	372.000	68	804.000	104	1236.000	140	1668.000	176	2100 000	212	2532.000	248	2964.000
33	384.000	69	816.000	105	1248.000	141	1680.000	177	2112.000	213	2544.000	249	2976.000
34	396.000	70	828.000	106	1260.000	142	1692.000	178	2124.000	214	2556.000	250	2988.000
35	408.000	71	840 000	107	1272.000	143	1704.000	179	2136.000	215	2568.000	251	3000.000
36	420 000	72	852.000	108	1284.000	144	1716.000	180	2148 000	216	2580.000		


MAR 31, 1972
5 , 0
LASER ALTIMETER CAVITY TEMP DEG F
INSTALLATION DATE MAR. 24,19 72
HARDWARE CALIB. NO. SERIAL NO.
800- 2
RANGE
-1.50000+01
TO
2 00000+02
EQUATION
COEFFICIENTS
A0= -1 31 +01
A1= 3.17 +01
A2= 8.22 -01
A3= 4 35 -02
A4= -7 92 -03
SIGMA = .0000
SIGMA / RANGE = .0000
0% = -1 306+01
20% = 1.990+01
40% = 5.470+01
50% = 7.279+01
60% = 9 131+01
80% = 1.295+02
100% = 1.688+02
MEASUREMENT NO
S L1094 T-11-800
LOADING NO.
1102053 18
MIN LOADING NO.
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

ARTICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1094 F - 11. 800. CALIBRATED 3/24/72
HARDWARE NUMBERS 800- 2.

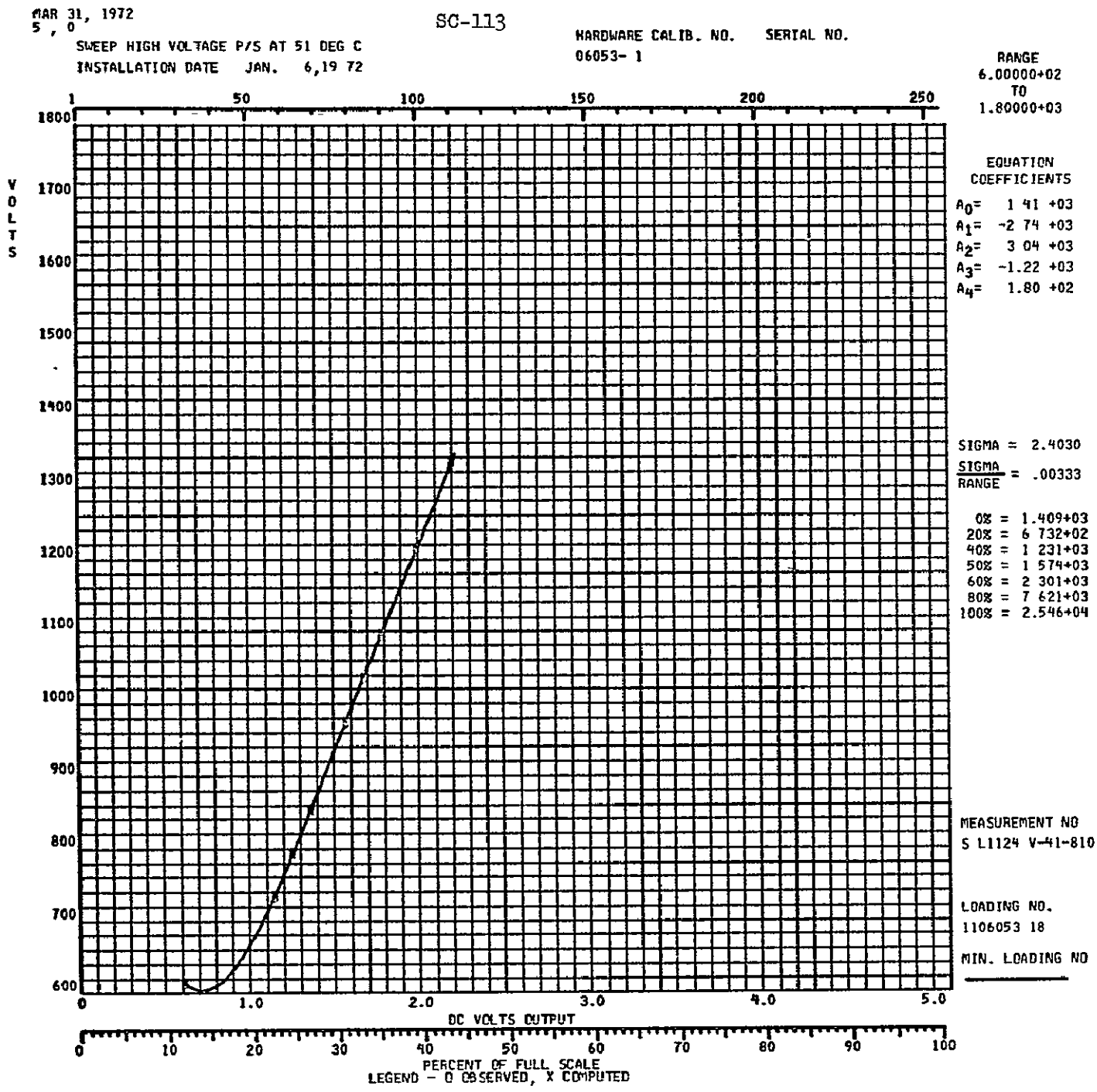
CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
0	-13 063	38	10.864	75	35.764	112	61.657	149	88.504	186	116.214	223	144 635
2	-12.429	39	11.524	76	36.451	113	62.370	150	89 243	187	116 974	224	145.411
3	-11 794	40	12.185	77	37.138	114	63 084	151	89.981	188	117 734	225	146.188
4	-11 158	41	12.846	78	37 827	115	63.799	152	90.721	189	118 494	226	146 964
5	-10.522	42	13.508	79	38.516	116	64.514	153	91.461	190	119.256	227	147.742
6	-9.885	43	14.171	80	39.205	117	65 230	154	92.201	191	120 017	228	148.519
7	-9.247	44	14.835	81	39.896	118	65.947	155	92.943	192	120.779	229	149 297
8	-8.608	45	15 499	82	40.587	119	66.665	156	93 684	193	121.542	230	150 076
9	-7.969	46	16.164	83	41.279	120	67.383	157	94 427	194	122 305	231	150.854
10	-7.329	47	16.830	84	41.971	121	68.102	158	95.170	195	123.069	232	151.633
11	-6.689	48	17.496	85	42.665	122	68.821	159	95 914	196	123 833	233	152 412
12	-6.048	49	18.163	86	43.359	123	69.542	160	96.658	197	124.598	234	153.192
13	-5.406	50	18 831	87	44.054	124	70.263	161	97 403	198	125.363	235	153.972
14	-4.764	51	19 500	88	44.749	125	70.984	162	98 149	199	126.128	236	154.752
15	-4.120	52	20.169	89	45 445	126	71.707	163	98 895	200	126 894	237	155.533
16	-3.477	53	20.839	90	46 142	127	72.430	164	99.641	201	127 661	238	156 314
17	-2.832	54	21.510	91	46.840	128	73.153	165	100 389	202	128 428	239	157.095
18	-2.187	55	22.181	92	47.538	129	73.878	166	101 137	203	129 195	240	157 876
19	-1.541	56	22.854	93	48.237	130	74.603	167	101 885	204	129.963	241	158.658
20	-.894	57	23.527	94	48.937	131	75.328	168	102 634	205	130.731	242	159.440
21	-.247	58	24.200	95	49.638	132	76.055	169	103 384	206	131.500	243	160.222
22	401	59	24.875	96	50 339	133	76 782	170	104 134	207	132 270	244	161.005
23	1.050	60	25.550	97	51.041	134	77.510	171	104.885	208	133.039	245	161.788
24	1.699	61	26.226	98	51 744	135	78.238	172	105 636	209	133.809	246	162.571
25	2.349	62	26.902	99	52.447	136	78 967	173	106 388	210	134 580	247	163.354
26	3 000	63	27.580	100	53.151	137	79.697	174	107.141	211	135 351	248	164.138
27	3 651	64	28 258	101	53.856	138	80.427	175	107 894	212	136 122	249	164 922
28	4.304	65	28 936	102	54.562	139	81.158	176	108 648	213	136.894	250	165.706
29	4.957	66	29.616	103	55 268	140	81.890	177	109 402	214	137 666	251	166 490
30	5.610	67	30 296	104	55.975	141	82.622	178	110 157	215	138.439	252	167.275
31	6.264	68	30.977	105	56 683	142	83.355	179	110.912	216	139.212	253	168.059
32	6.919	69	31.659	106	57.391	143	84.089	180	111 668	217	139.986	254	168.844
33	7.575	70	32.341	107	58 100	144	84.823	181	112 424	218	140.760		
34	8 232	71	33.024	108	58.810	145	85.558	182	113.181	219	141.534		
35	8 889	72	33.708	109	59.521	146	86.294	183	113.939	220	142 309		
36	9.546	73	34 393	110	60.232	147	87.030	184	114 697	221	143 084		
37	10.205	74	35.078	111	60.944	148	87.767	185	115 455	222	143 859		


MAR 31, 1972
5 , 0
LASER ALTIMETER CAVITY TEMP DEG C
INSTALLATION DATE MAR 24,19 72
HARDWARE CALIB NO. SERIAL NO.
800- 3
RANGE
-2.50000+01
TO
7.50000+01
EQUATION
COEFFICIENTS
A0= -2 50 +01
A1= 1 76 +01
A2= 4 83 -01
SIGMA = 19502
SIGMA/RANGE = .00194
0% =-2.504+01
20% =-6.731+00
40% = 1 257+01
50% = 2 260+01
60% = 3.287+01
80% = 5.415+01
100% = 7 642+01
MEASUREMENT NO
S L1094 T-21-800
LOADING NO.
1102053 18
MIN. LOADING NO
DEG C
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1094 T - 21. 800. CALIBRATED 3/24/72
HARDWARE NUMBERS 800- 3.

CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C
1*	-25.044	38	-11.750	75	2.073	112	16.426	149	31.307	186	46 718	223	62.658
2	-24.692	39	-11.383	76	2.454	113	16.821	150	31.717	187	47.142	224	63 097
3	-24.339	40	-11.016	77	2.835	114	17.217	151	32.127	188	47.566	225	63.535
4	-23.986	41	-10.649	78	3 217	115	17.613	152	32.537	189	47 991	226	63:974
5	-23.632	42	-10.281	79	3.599	116	18.009	153	32 948	190	48.416	227	64 413
6	-23.279	43	-9.913	80	3.982	117	18.406	154	33.359	191	48.841	228	64 853
7	-22.924	44	-9 544	81	4.365	118	18.803	155	33.770	192	49 267	229	65.293
8	-22.570	45	-9 175	82	4.748	119	19.201	156	34.182	193	49 693	230	65.734
9	-22 215	46	-8.806	83	5.132	120	19.598	157	34.595	194	50.120	231	66.174
10	-21.859	47	-8.436	84	5.516	121	19.997	158	35.007	195	50 547	232	66.616
11	-21 503	48	-8.066	85	5.900	122	20.396	159	35.420	196	50 974	233	67.057
12	-21.147	49	-7.696	86	6.285	123	20.795	160	35.834	197	51 402	234	67.499
13	-20.791	50	-7 325	87	6.670	124	21.194	161	36.247	198	51 830	235	67.942
14	-20.434	51	-6.954	88	7.056	125	21.594	162	36.662	199	52 259	236	68.385
15	-20 076	52	-6 582	89	7.442	126	21.994	163	37 076	200	52 687	237	68.828
16	-19.718	53	-6 210	90	7.828	127	22.395	164	37 491	201	53.117	238	69.271
17	-19.360	54	-5.837	91	8.215	128	22.796	165	37.907	202	53.546	239	69.715
18	-19.002	55	-5.465	92	8.602	129	23.197	166	38 322	203	53 976	240	70 160
19	-18 643	56	-5 091	93	8.989	130	23:599	167	38 738	204	54.407	241	70:604
20	-18.284	57	-4.718	94	9.377	131	24.002	168	39 155	205	54 838	242	71 049
21	-17.924	58	-4.344	95	9.766	132	24.404	169	39.572	206	55 269	243	71 495
22	-17 564	59	-3.969	96	10.154	133	24.807	170	39.989	207	55 700	244	71 941
23	-17 203	60	-3.595	97	10.543	134	25.210	171	40.407	208	56 132	245	72 387
24	-16.843	61	-3 219	98	10 933	135	25.614	172	40.825	209	56 565	246	72 834
25	-16 481	62	-2.844	99	11 323	136	26.018	173	41.243	210	56 997	247	73 281
26	-16 120	63	-2 468	100	11 713	137	26.423	174	41.662	211	57 431	248	73 728
27	-15 758	64	-2.092	101	12 103	138	26.828	175	42 081	212	57 864	249	74 176
28	-15.395	65	-1.715	102	12 494	139	27.233	176	42.501	213	58 298	250	74 624
29	-15 032	66	-1.338	103	12 886	140	27.639	177	42.921	214	58 732	251*	75 073
30	-14 669	67	-.960	104	13 278	141	28.045	178	43.341	215	59 167	252*	75.522
31	-14 306	68	-.583	105	13 670	142	28 451	179	43.762	216	59.602	253*	75.971
32	-13 942	69	- 204	106	14.062	143	28.858	180	44 183	217	60 038	254*	76 421
33	-13 578	70	.174	107	14.455	144	29.265	181	44.605	218	60.473		
34	-13 213	71	.553	108	14.849	145	29.673	182	45 027	219	60 910		
35	-12.848	72	933	109	15.242	146	30.081	183	45 449	220	61 346		
36	-12.482	73	1.312	110	15.636	147	30.489	184	45 872	221	61.783		
37	-12.116	74	1 693	111	16 031	148	30.898	185	46.295	222	62.221		

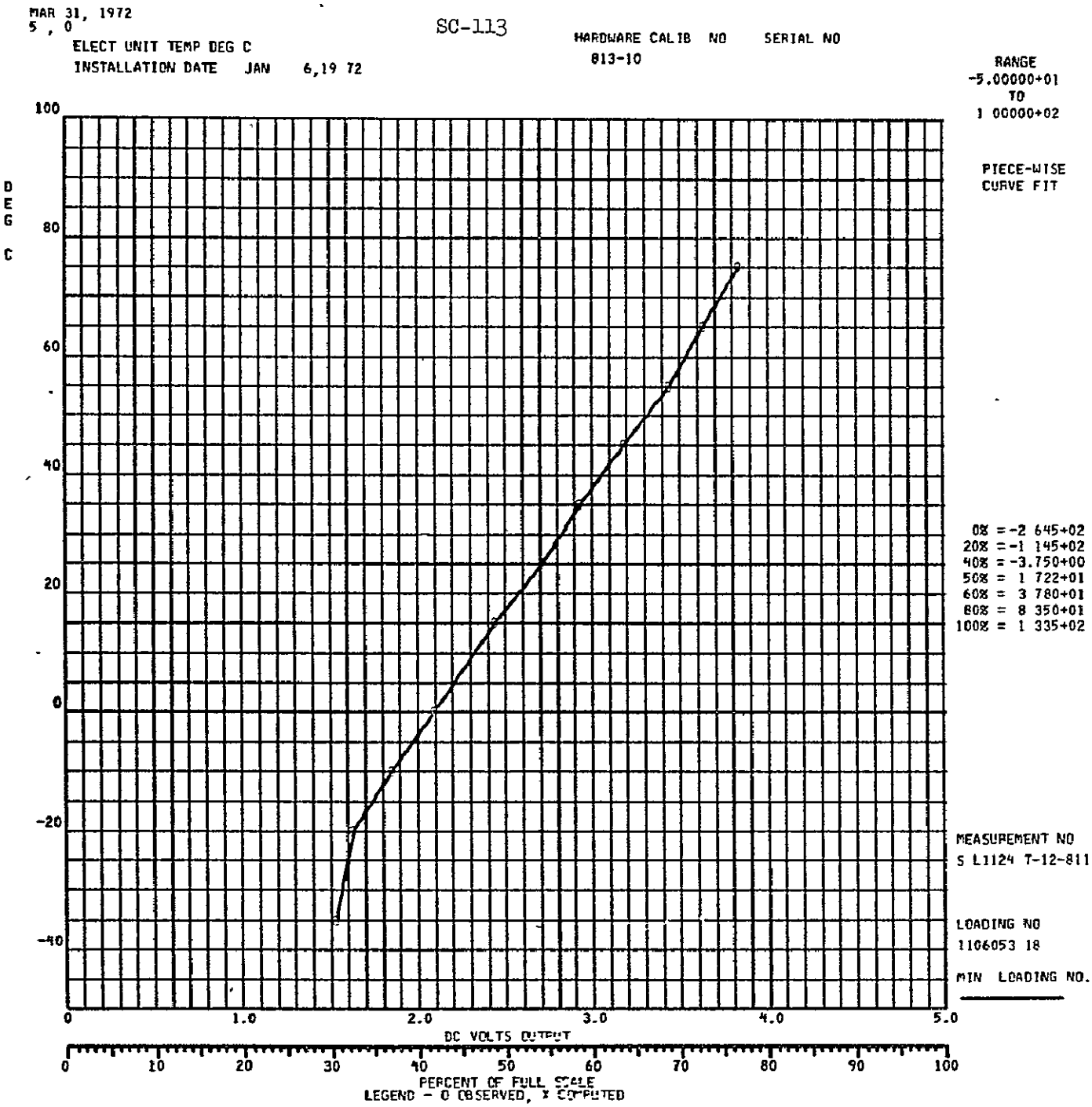
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE)


MAR 31, 1972
5 , 0
SC-113
SWEEP HIGH VOLTAGE P/S AT 51 DEG C
INSTALLATION DATE JAN. 6,19 72
HARDWARE CALIB. NO. SERIAL NO.
06053- 1
RANGE
6.00000+02
TO
1.80000+03
EQUATION
COEFFICIENTS
A0= 1 41 +03
A1= -2 74 +03
A2= 3 04 +03
A3= -1.22 +03
A4= 1.80 +02
SIGMA = 2.4030
SIGMA / RANGE = .00333
0% = 1.409+03
20% = 6 732+02
40% = 1 231+03
50% = 1 574+03
60% = 2 301+03
80% = 7 621+03
100% = 2.546+04
MEASUREMENT NO
S L1124 V-41-810
LOADING NO.
1106053 18
MIN. LOADING NO
VOLTS
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
1
50
100
150
200
250
0
1.0
2.0
3.0
4.0
5.0
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1059 T - 21. 800 CALIBRATED 0/ 0/70
HARDWARE NUMBERS 05071- 1.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1	1.739	38	31.061	75	53.906	112	73.386	149	92 610	186	114.692	223	142.742
2	2.649	39	31.750	76	54.463	113	73.895	150	93.156	187	115.358	224	143 612
3	3.541	40	32.439	77	55.017	114	74 403	151	93.703	188	116 028	225	144.489
4	4.432	41	33.113	78	55 569	115	74.912	152	94.253	189	116.702	226	145.372
5	5.316	42	33.788	79	56.119	116	75.421	153	94.804	190	117.381	227	146.263
6	6.193	43	34.458	80	56.667	117	75.930	154	95 359	191	118.065	228	147.160
7	7.063	44	35.124	81	57.212	118	76.439	155	95.915	192	118.753	229	148 064
8	7.927	45	35.785	82	57.755	119	76.948	156	96 474	193	119.446	230	148.975
9	8.785	46	36.443	83	58.296	120	77.457	157	97.036	194	120.144	231	149 894
10	9.635	47	37.096	84	58.836	121	77.967	158	97.600	195	120.847	232*	150.819
11	10.480	48	37.744	85	59.373	122	78 477	159	98 167	196	121.555	233*	151.752
12	11.317	49	38.389	86	59.909	123	78 987	160	98.736	197	122.267	234*	152.691
13	12.149	50	39.030	87	60.442	124	79 498	161	99.309	198	122.985	235*	153 639
14	12.974	51	39.666	88	60.974	125	80.010	162	99 884	199	123.708	236*	154 593
15	13.793	52	40.299	89	61 505	126	80.522	163	100 462	200	124.436	237*	155 555
16	14.606	53	40.928	90	62.033	127	81 034	164	101 042	201	125.169	238*	156 524
17	15.413	54	41.553	91	62.561	128	81 548	165	101 626	202	125.907	239*	157 501
18	16.214	55	42.174	92	63 086	129	82.062	166	102 213	203	126 651	240*	158.486
19	17 009	56	42.792	93	63.611	130	82 577	167	102 803	204	127.400	241*	159 478
20	17.798	57	43.405	94	64.134	131	83 094	168	103 397	205	128 154	242*	160.478
21	18.581	58	44.016	95	64.655	132	83.611	169	103 993	206	128.915	243*	161.486
22	19.359	59	44.623	96	65.176	133	84.129	170	104.593	207	129.680	244*	162 502
23	20.130	60	45 226	97	65.695	134	84 648	171	105.196	208	130 452	245*	163.525
24	20.896	61	45.826	98	66.213	135	85 168	172	105 803	209	131 229	246*	164.557
25	21.657	62	46.423	99	66.730	136	85 690	173	106 413	210	132.012	247*	165 596
26	22.412	63	47.016	100	67 246	137	86 213	174	107 027	211	132.800	248*	166.644
27	23.161	64	47.607	101	67 762	138	86.737	175	107.644	212	133.595	249*	167 700
28	23.905	65	48.194	102	68 276	139	87.263	176	108 265	213	134.395	250*	168 764
29	24.644	66	48.778	103	68.790	140	87 790	177	108.890	214	135.202	251*	169 836
30	25.377	67	49.359	104	69.302	141	88.319	178	109 519	215	136 015	252*	170.917
31	26.105	68	49.937	105	69.814	142	88 849	179	110.151	216	136.833	253*	172.006
32	26 828	69	50 512	106	70 326	143	89 381	180	110 788	217	137.658	254*	173 104
33	27.546	70	51.085	107	70.837	144	89.914	181	111.428	218	138 490		
34	28.259	71	51.654	108	71.347	145	90.450	182	112 073	219	139.327		
35	28.967	72	52.221	109	71.857	146	90.987	183	112.721	220	140.171		
36	29.670	73	52.785	110	72 367	147	91.526	184	113.374	221	141.022		
37	30.368	74	53.347	111	72.876	148	92.067	185	114.031	222	141.878		

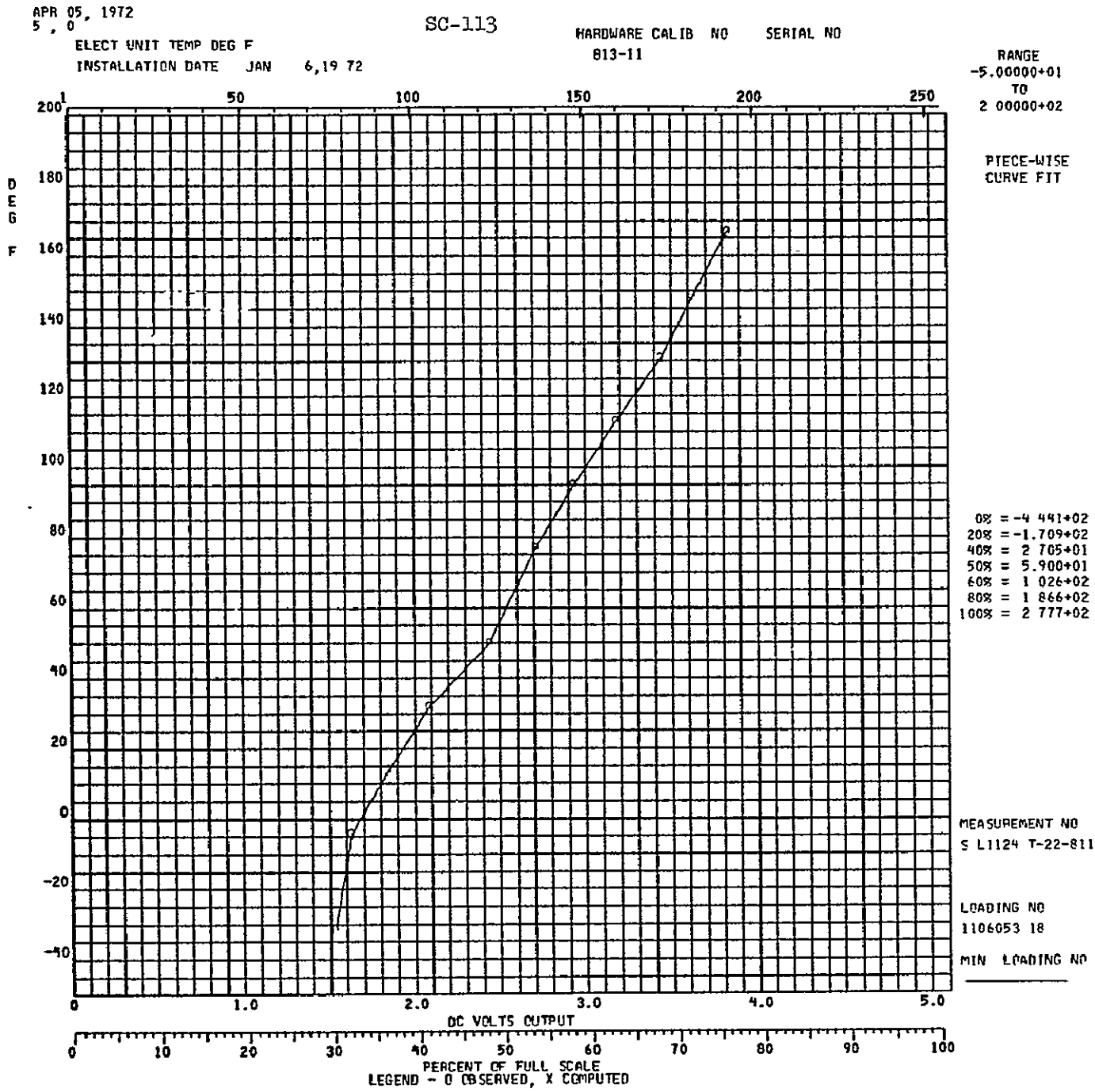
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE)


MAR 31, 1972
5 , 0
ELECT UNIT TEMP DEG C
INSTALLATION DATE JAN 6,19 72
HARDWARE CALIB NO SERIAL NO
813-10
RANGE
-5.00000+01
TO
1 00000+02
PIECE-WISE
CURVE FIT
DEG C
100
80
60
40
20
0
-20
-40
0% = -2 645+02
20% = -1 145+02
40% = -3.750+00
50% = 1 722+01
60% = 3 780+01
80% = 8 350+01
100% = 1 335+02
MEASUREMENT NO
S L1124 T-12-811
LOADING NO
1106053 18
MIN LOADING NO.
0
1.0
2.0
3.0
4.0
5.0
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1124 T - 12 811. CALIBRATED 1/ 6/72
HARDWARE NUMBERS 813- 10

CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C
1*	-264.500	38*	-153.500	75	-42.500	112	5.571	149	36.200	186	68 500	223*	105 500
2*	-261.500	39*	-150 500	76	-39 500	113	6 429	150	37.000	187	69.500	224*	106.500
3*	-258.500	40*	-147.500	77	-36.500	114	7.286	151	37.800	188	70 500	225*	107.500
4*	-255.500	41*	-144 500	78	-33.500	115	8.143	152	38.600	189	71.500	226*	108.500
5*	-252.500	42*	-141.500	79	-30.500	116	9.000	153	39.400	190	72.500	227*	109.500
6*	-249.500	43*	-138.500	80	-27.500	117	9.857	154	40.200	191	73 500	228*	110.500
7*	-246.500	44*	-135 500	81	-24 500	118	10.714	155	41.000	192	74.500	229*	111.500
8*	-243.500	45*	-132.500	82	-21.500	119	11.571	156	41.800	193	75.500	230*	112.500
9*	-240.500	46*	-129 500	83	-19.545	120	12.429	157	42.600	194	76.500	231*	113.500
10*	-237.500	47*	-126 500	84	-18 636	121	13.286	158	43.400	195	77 500	232*	114 500
11*	-234.500	48*	-123.500	85	-17.727	122	14.143	159	44 200	196	78 500	233*	115.500
12*	-231 500	49*	-120 500	86	-16.818	123	15.000	160	45.000	197	79.500	234*	116.500
13*	-228.500	50*	-117 500	87	-15.909	124	15 741	161	45.769	198	80 500	235*	117.500
14*	-225.500	51*	-114.500	88	-15.000	125	16.481	162	46 538	199	81 500	236*	118.500
15*	-222.500	52*	-111 500	89	-14.091	126	17.222	163	47 308	200	82 500	237*	119.500
16*	-219.500	53*	-108 500	90	-13.182	127	17 963	164	48 077	201	83 500	238*	120 500
17*	-216.500	54*	-105.500	91	-12 273	128	18 704	165	48 846	202	84.500	239*	121 500
18*	-213.500	55*	-102 500	92	-11 364	129	19 444	166	49 615	203	85.500	240*	122.500
19*	-210.500	56*	-99 500	93	-10 455	130	20 185	167	50 385	204	86 500	241*	123.500
20*	-207.500	57*	-96 500	94	-9 583	131	20 926	168	51 154	205	87.500	242*	124 500
21*	-204.500	58*	-93 500	95	-8 750	132	21.667	169	51 923	206	88 500	243*	125 500
22*	-201.500	59*	-90 500	96	-7 917	133	22 407	170	52.692	207	89 500	244*	126.500
23*	-198.500	60*	-87 500	97	-7 083	134	23 148	171	53 462	208	90.500	245*	127 500
24*	-195.500	61*	-84.500	98	-6.250	135	23.889	172	54 231	209	91 500	246*	128.500
25*	-192.500	62*	-81 500	99	-5 417	136	24 630	173	55 000	210	92 500	247*	129 500
26*	-189.500	63*	-78.500	100	-4 583	137	25.455	174	56.053	211	93.500	248*	130.500
27*	-186.500	64*	-75 500	101	-3.750	138	26 364	175	57 105	212	94 500	249*	131 500
28*	-183.500	65*	-72 500	102	-2 917	139	27 273	176	58.158	213	95 500	250*	132.500
29*	-180.500	66*	-69.500	103	-2.083	140	28 182	177	59.211	214	96 500	251*	133.500
30*	-177.500	67*	-66 500	104	-1 250	141	29 091	178	60 263	215	97.500		
31*	-174.500	68*	-63.500	105	-.417	142	30 000	179	61.316	216	98 500		
32*	-171.500	69*	-60 500	106	429	143	30 909	180	62.368	217	99 500		
33*	-168.500	70*	-57 500	107	1 286	144	31 818	181	63.421	218*	100 500		
34*	-165.500	71*	-54 500	108	2 143	145	32.727	182	64 474	219*	101 500		
35*	-162.500	72*	-51 500	109	3 000	146	33 636	183	65.500	220*	102 500		
36*	-159.500	73	-48.500	110	3.857	147	34.545	184	66 500	221*	103 500		
37*	-156.500	74	-45.500	111	4.714	148	35.400	185	67 500	222*	104 500		

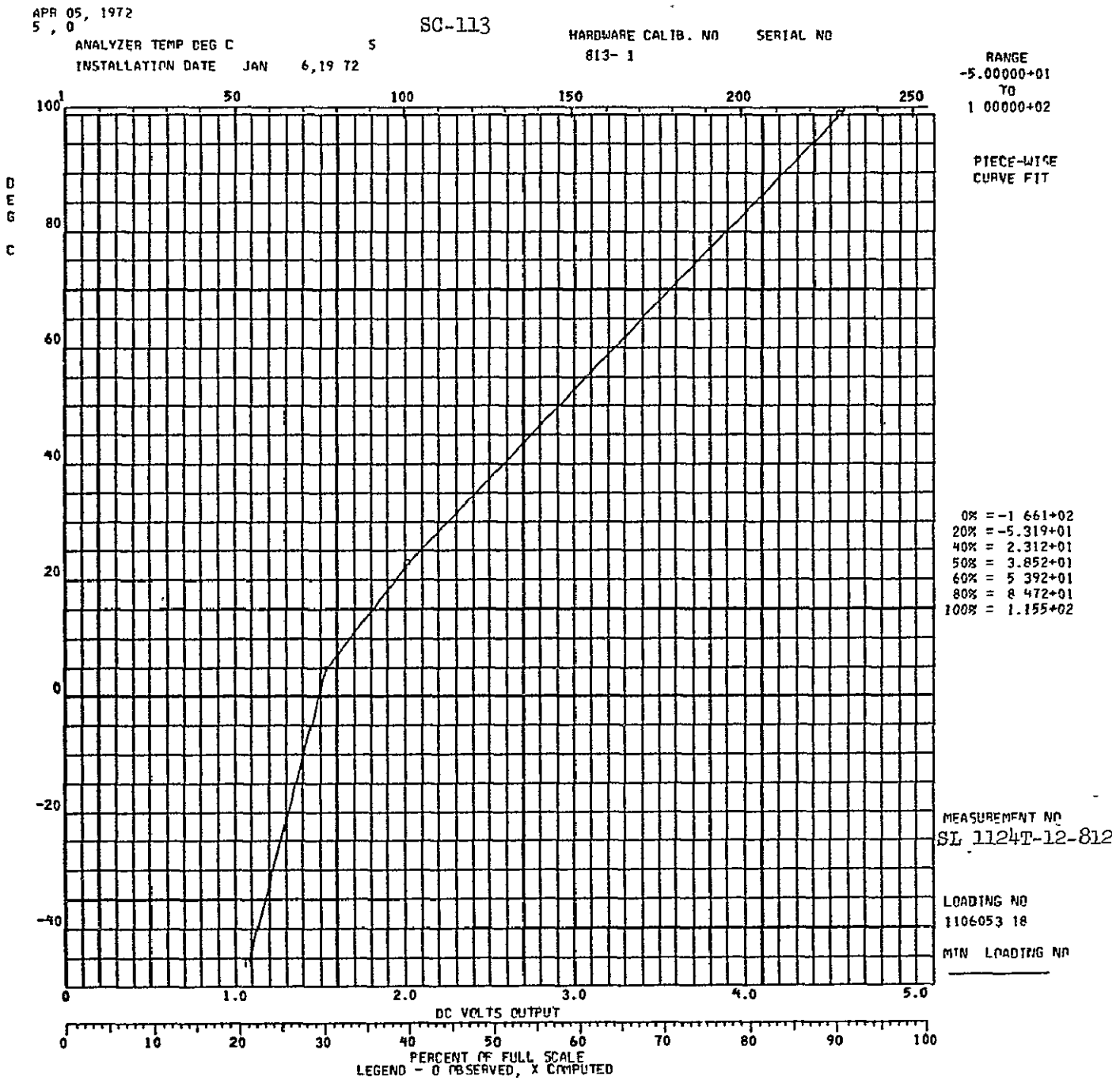
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


APR 05, 1972
5 , 0
SC-113
ELECT UNIT TEMP DEG F
INSTALLATION DATE JAN 6,19 72
HARDWARE CALIB NO SERIAL NO
813-11
RANGE
-5.00000+01
TO
2 00000+02
PIECE-WISE
CURVE FIT
0% = -4 441+02
20% = -1.709+02
40% = 2 705+01
50% = 5.900+01
60% = 1 026+02
80% = 1 866+02
100% = 2 777+02
MEASUREMENT NO
S L1124 T-22-811
LOADING NO
1106053 18
MIN LOADING NO
DEG F
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS APR 05, 1972
MEASUREMENT S L1124 T - 22 811 CALIBRATED 1/ 6/72
HARDWARE NUMBERS 813- 11

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-444.100	38*	-244 300	75	-44 500	112	38 686	149	97.160	186	155.300	223*	221 900
2*	-438 700	39*	-238 900	76	-39 100	113	39 714	150	98 600	187	157 100	224*	223 700
3*	-433 300	40*	-233 500	77	-33.700	114	40 743	151	100.040	188	158.900	225*	225 500
4*	-427 900	41*	-228 100	78	-28 300	115	41 771	152	101 480	189	160.700	226*	227 300
5*	-422 500	42*	-222 700	79	-22 900	116	42 800	153	102.920	190	162 500	227*	229.100
6*	-417 100	43*	-217 300	80	-17.500	117	43 829	154	104.360	191	164.300	228*	230 900
7*	-411 700	44*	-211 900	81	-12 100	118	44.857	155	105.800	192	166.100	229*	232 700
8*	-406 300	45*	-206 500	82	-6 700	119	45 886	156	107.240	193	167 900	230*	234.500
9*	-400 900	46*	-201 100	83	-3 182	120	46 914	157	108 680	194	169.700	231*	236.300
10*	-395 500	47*	-195 700	84	-1 545	121	47 943	158	110 120	195	171 500	232*	238 100
11*	-390 100	48*	-190 300	85	091	122	48 971	159	111 560	196	173 300	233*	239.900
12*	-384 700	49*	-184 900	86	1.727	123	50 000	160	113 000	197	175.100	234*	241 700
13*	-379 300	50*	-179 500	87	3 364	124	52 000	161	114 385	198	176 900	235*	243 500
14*	-373.900	51*	-174.100	88	5 000	125	54 000	162	115 769	199	178.700	236*	245 300
15*	-368 500	52*	-168.700	89	6 636	126	56 000	163	117 154	200	180 500	237*	247 100
16*	-363 100	53*	-163 300	90	8 273	127	58 000	164	118.538	201	182 300	238*	248.900
17*	-357 700	54*	-157 900	91	9.909	128	60 000	165	119 923	202	184 100	239*	250 700
18*	-352 300	55*	-152 500	92	11.545	129	62 000	166	121.308	203	185 900	240*	252.500
19*	-346 900	56*	-147 100	93	13 182	130	64 000	167	122 692	204	187.700	241*	254 300
20*	-341 500	57*	-141.700	94	14.750	131	66 000	168	124 077	205	189 500	242*	256.100
21*	-336 100	58*	-136 300	95	16.250	132	68 000	169	125.462	206	191.300	243*	257.900
22*	-330 700	59*	-130 900	96	17 750	133	70 000	170	126 846	207	193.100	244*	259.700
23*	-325.300	60*	-125 500	97	19 250	134	72 000	171	128 231	208	194 900	245*	261.500
24*	-319 900	61*	-120 100	98	20 750	135	74 000	172	129 615	209	196 700	246*	263.300
25*	-314 500	62*	-114 700	99	22 250	136	76 000	173	131 000	210	198 500	247*	265.100
26*	-309 100	63*	-109 300	100	23 750	137	77 818	174	132 895	211*	200.300	248*	266 900
27*	-303 700	64*	-103 900	101	25 250	138	79.455	175	134 789	212*	202 100	249*	268.700
28*	-298.300	65*	-98 500	102	26 750	139	81 091	176	136 684	213*	203 900	250*	270.500
29*	-292 900	66*	-93.100	103	28 250	140	82 727	177	138.579	214*	205 700	251*	272.300
30*	-287 500	67*	-87.700	104	29 750	141	84 364	178	140 474	215*	207 500	252*	274.100
31*	-282 100	68*	-82 300	105	31 250	142	86 000	179	142 368	216*	209 300	253*	275.900
32*	-276 700	69*	-76 900	106	32 514	143	87 636	180	144 263	217*	211.100	254*	277 700
33*	-271 300	70*	-71 500	107	33 543	144	89 273	181	146 158	218*	212.900		
34*	-265.900	71*	-66.100	108	34 571	145	90 909	182	148 053	219*	214.700		
35*	-260.500	72*	-60.700	109	35 600	146	92 545	183	149.900	220*	216.500		
36*	-255 100	73*	-55 300	110	36 629	147	94 182	184	151.700	221*	218.300		
37*	-249.700	74	-49 900	111	37 657	148	95 720	185	153.500	222*	220.100		

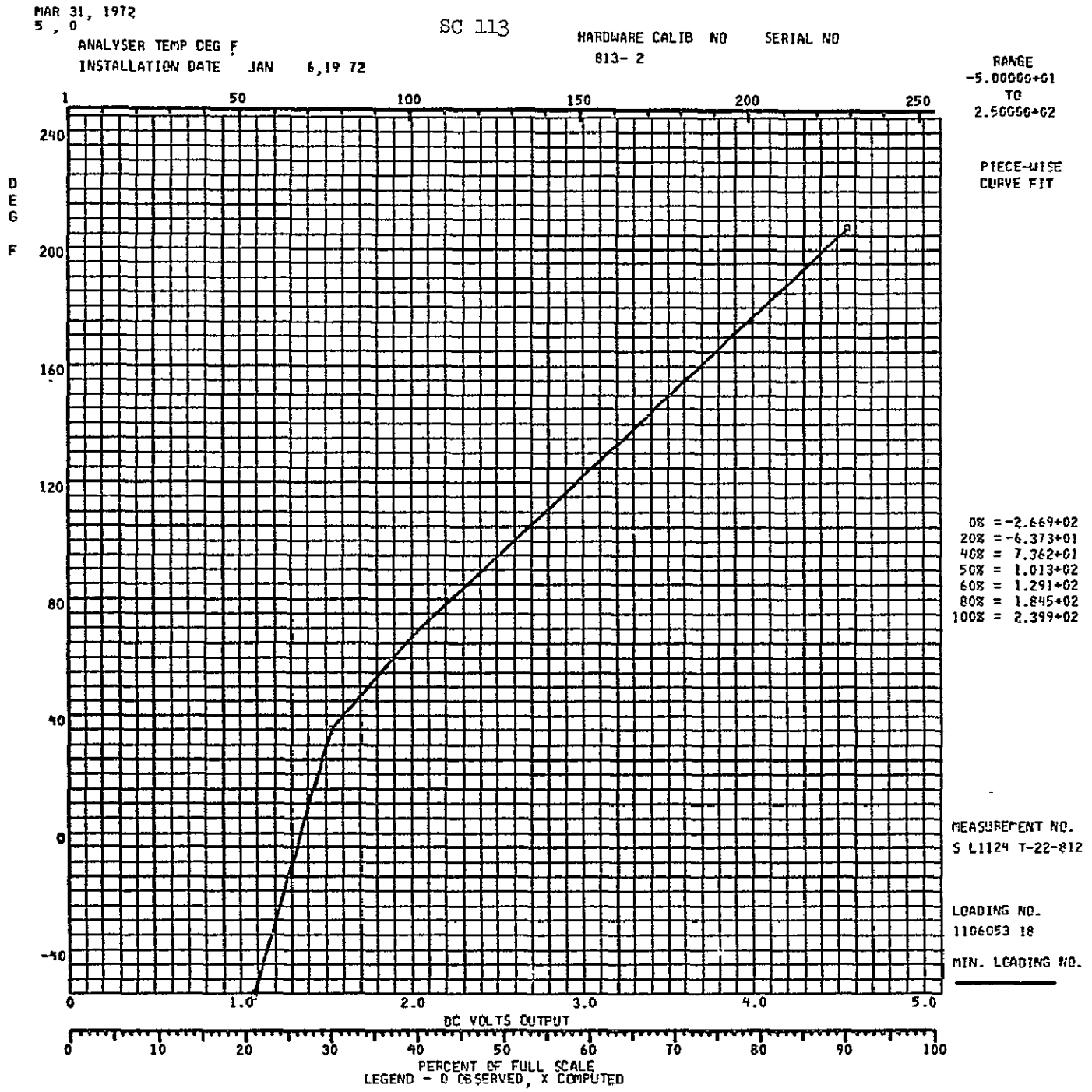
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE)


APR 05, 1972
5 , 0
ANALYZER TEMP DEG C
INSTALLATION DATE JAN 6,19 72
SC-113
HARDWARE CALIB. NO
813- 1
SERIAL NO
RANGE
-5.00000+01
TO
1 00000+02
PIECE-WISE
CURVE FIT
DEG C
0% =-1 661+02
20% =-5.319+01
40% = 2.312+01
50% = 3.852+01
60% = 5 392+01
80% = 8 472+01
100% = 1.155+02
MEASUREMENT NO
SL 1124T-12-812
LOADING NO
1106053 18
MTN LOADING NO
DC VOLTS OUTPUT
PERCENT OF FULL SCALE
LEGEND - O OBSERVED, X COMPUTED

VEHICLE SC-113 TABLE OF COUNTS VS ENGINEERING UNITS APR 05, 1972
MEASUREMENT SL1124T-12-812 CALIBRATED 1/ 6/72
HARDWARE NUMBERS 813- 1.

CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C	CNT	DEG C
1*	-166.080	38*	-83 529	75	-.978	112	29.087	149	51.609	186	74.130	223	96.652
2*	-163.849	39*	-81.298	76	1.253	113	29 696	150	52.217	187	74 739	224	97 261
3*	-161.618	40*	-79.067	77	3.484	114	30 304	151	52.826	188	75.348	225	97.870
4*	-159.387	41*	-76 836	78	4.976	115	30 913	152	53 435	189	75.957	226	98 478
5*	-157.156	42*	-74.604	79	5.727	116	31.522	153	54.043	190	76 565	227	99 087
6*	-154.924	43*	-72 373	80	6.478	117	32 130	154	54.652	191	77.174	228	99 696
7*	-152.693	44*	-70.142	81	7.229	118	32.739	155	55.261	192	77.783	229*	100 304
8*	-150.462	45*	-67.911	82	7.980	119	33 348	156	55.870	193	78.391	230*	100.913
9*	-148.231	46*	-65.680	83	8.731	120	33.957	157	56.478	194	79.000	231*	101 522
10*	-146 000	47*	-63.449	84	9.482	121	34.565	158	57.087	195	79.609	232*	102 130
11*	-143.769	48*	-61.218	85	10.233	122	35.174	159	57 696	196	80 217	233*	102.739
12*	-141.538	49*	-58.987	86	10 984	123	35 783	160	58 304	197	80.826	234*	103 348
13*	-139.307	50*	-56.756	87	11.735	124	36 391	161	58.913	198	81.435	235*	103.957
14*	-137 076	51*	-54 524	88	12.486	125	37.000	162	59 522	199	82.043	236*	104 565
15*	-134 844	52*	-52 293	89	13 237	126	37.609	163	60 130	200	82 652	237*	105 174
16*	-132.613	53*	-50.062	90	13.988	127	38 217	164	60.739	201	83.261	238*	105 783
17*	-130 382	54	-47 831	91	14.739	128	38 826	165	61 348	202	83 870	239*	106.391
18*	-128 151	55	-45 600	92	15.490	129	39 435	166	61.957	203	84 478	240*	107 000
19*	-125.920	56	-43 369	93	16.241	130	40 043	167	62 565	204	85.087	241*	107 609
20*	-123 689	57	-41 138	94	16 992	131	40 652	168	63 174	205	85.696	242*	108 217
21*	-121 458	58	-38.907	95	17 743	132	41 261	169	63 783	206	86 304	243*	108 826
22*	-119.227	59	-36.676	96	18.494	133	41.870	170	64 391	207	86 913	244*	109 435
23*	-116 996	60	-34 444	97	19 245	134	42.478	171	65 000	208	87 522	245*	110.043
24*	-114 764	61	-32 213	98	19 996	135	43.087	172	65 609	209	88 130	246*	110 652
25*	-112.533	62	-29 982	99	20 747	136	43 696	173	66 217	210	88.739	247*	111 261
26*	-110 302	63	-27 751	100	21 498	137	44 304	174	66 826	211	89 348	248*	111 870
27*	-108 071	64	-25 520	101	22 249	138	44 913	175	67 435	212	89 957	249*	112 478
28*	-105 840	65	-23 289	102	23 000	139	45 522	176	68 043	213	90 565	250*	113 087
29*	-103 609	66	-21 058	103	23 609	140	46 130	177	68 652	214	91 174	251*	113 696
30*	-101 378	67	-18 827	104	24 217	141	46 739	178	69 261	215	91 783	252*	114 304
31*	-99 147	68	-16 596	105	24 826	142	47 348	179	69 870	216	92 391	253*	114 913
32*	-96.916	69	-14.364	106	25.435	143	47 957	180	70.478	217	93 000	254*	115 522
33*	-94.684	70	-12.133	107	26.043	144	48 565	181	71 087	218	93 609		
34*	-92 453	71	-9 902	108	26.652	145	49 174	182	71 696	219	94 217		
35*	-90.222	72	-7 671	109	27.261	146	49 783	183	72.304	220	94.826		
36*	-87 991	73	-5.440	110	27.870	147	50 391	184	72.913	221	95 435		
37*	-85 760	74	-3 209	111	28 478	148	51.000	185	73.522	222	96 043		

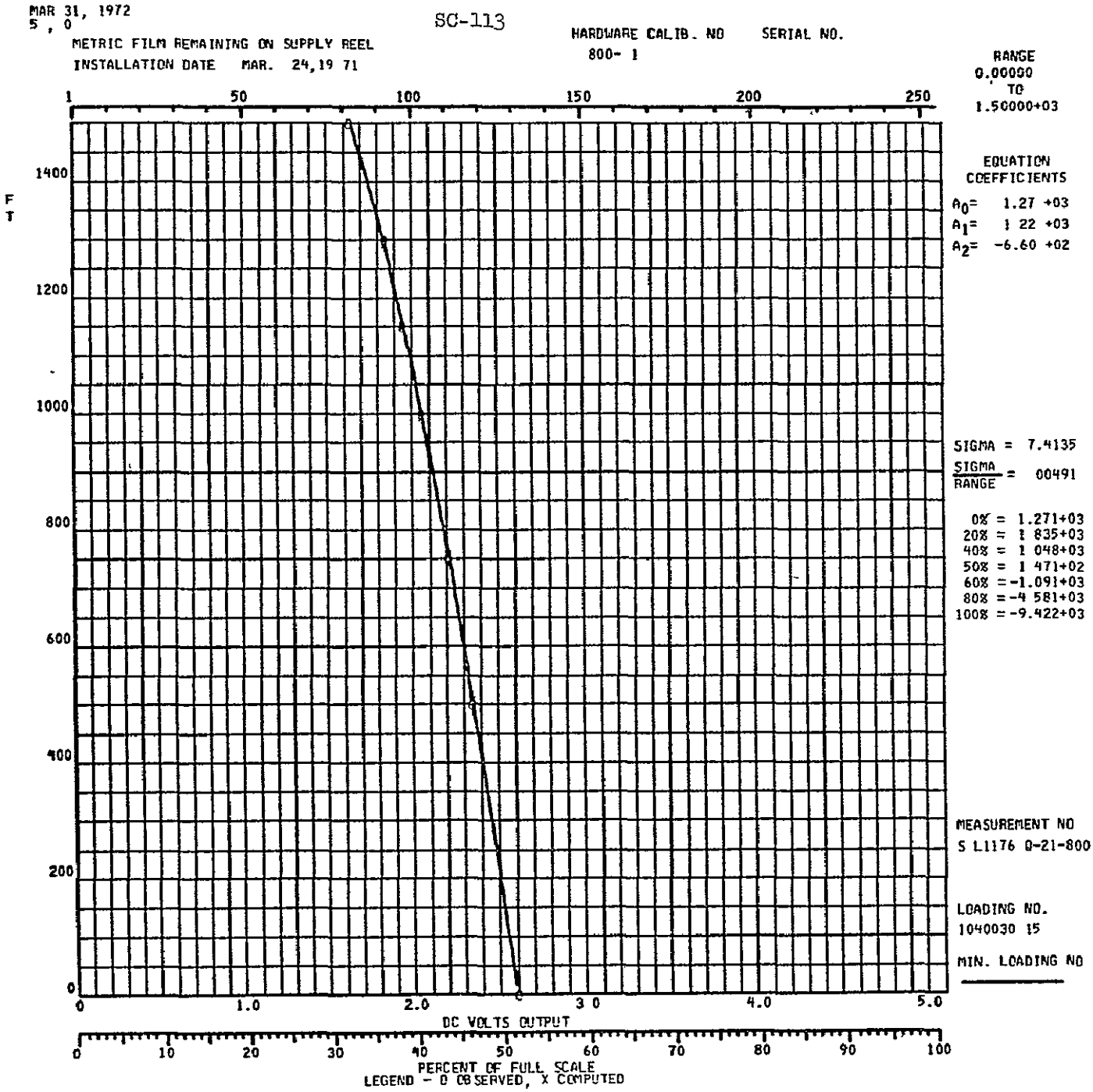
(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


MAR 31, 1972
5 , 0
ANALYSER TEMP DEG F
INSTALLATION DATE JAN 6,19 72
HARDWARE CALIB NO SERIAL NO
813- 2
RANGE
-5.00000+01
TO
2.50000+02
PIECE-WISE
CURVE FIT
DEG F
1
50
100
150
200
250
240
200
160
120
80
40
0
-40
0% =-2.669+02
20% =-6.373+01
40% = 7.362+01
50% = 1.013+02
60% = 1.291+02
80% = 1.845+02
100% = 2.399+02
MEASUREMENT NO.
S L1124 T-22-812
LOADING NO.
1106053 18
MIN. LOADING NO.
0
1.0
2.0
3.0
4.0
5.0
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1124 T - 22. 812. CALIBRATED 1/ 6/72
HARDWARE NUMBERS 813- 2.

CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F	CNT	DEG F
1*	-266.944	38*	-118 352	75	30.240	112	84.357	149	124.896	186	165.435	223	205 974
2*	-262.928	39*	-114.336	76	34.256	113	85.452	150	125.991	187	166.530	224	207.070
3*	-258 912	40*	-110.320	77	38.272	114	86 548	151	127.087	188	167 626	225	208.165
4*	-254.896	41*	-106.304	78	40.956	115	87 643	152	128.183	189	168.722	226	209 261
5*	-250 880	42*	-102 288	79	42.308	116	88.739	153	129.278	190	169 817	227	210 357
6*	-246 864	43*	-98 272	80	43.660	117	89.835	154	130.374	191	170 913	228	211.452
7*	-242 848	44*	-94.256	81	45 011	118	90 930	155	131.470	192	172 009	229	212 548
8*	-238.832	45*	-90.240	82	46 363	119	92.026	156	132.565	193	173 104	230	213 643
9*	-234.816	46*	-86 224	83	47 715	120	93.122	157	133.661	194	174 200	231	214 739
10*	-230.800	47*	-82 208	84	49 067	121	94.217	158	134.757	195	175 296	232	215 835
11*	-226.784	48*	-78.192	85	50.419	122	95.313	159	135.852	196	176 391	233	216 930
12*	-222.768	49*	-74.176	86	51.771	123	96 409	160	136.948	197	177 487	234	218 026
13*	-218.752	50*	-70.160	87	53.122	124	97 504	161	138.043	198	178.583	235	219.122
14*	-214.736	51*	-66.144	88	54.474	125	98.600	162	139.139	199	179 678	236	220 217
15*	-210 720	52*	-62 128	89	55 826	126	99 696	163	140 235	200	180 774	237	221 313
16*	-206.704	53*	-58.112	90	57.178	127	100 791	164	141 330	201	181 870	238	222 409
17*	-202 688	54*	-54.096	91	58 530	128	101 887	165	142 426	202	182 965	239	223 504
18*	-198 672	55*	-50.080	92	59.882	129	102.983	166	143.522	203	184 061	240	224 600
19*	-194.656	56	-46.064	93	61.233	130	104.078	167	144.617	204	185 157	241	225 696
20*	-190 640	57	-42 048	94	62.585	131	105.174	168	145.713	205	186 252	242	226 791
21*	-186.624	58	-38.032	95	63.937	132	106.270	169	146.809	206	187 348	243	227 887
22*	-182 608	59	-34 016	96	65 289	133	107.365	170	147 904	207	188 443	244	228 983
23*	-178.592	60	-30.000	97	66 641	134	108.461	171	149 000	208	189 539	245	230 078
24*	-174.576	61	-25.984	98	67 993	135	109 557	172	150.096	209	190 635	246	231 174
25*	-170 560	62	-21 968	99	69 344	136	110.652	173	151 191	210	191 730	247	232.270
26*	-166.544	63	-17.952	100	70 696	137	111 748	174	152 287	211	192 826	248	233 365
27*	-162.528	64	-13 936	101	72 048	138	112.843	175	153 383	212	193 922	249	234 461
28*	-158.512	65	-9 920	102	73.400	139	113 939	176	154.478	213	195 017	250	235.557
29*	-154 496	66	-5 904	103	74.496	140	115 035	177	155.574	214	196 113	251	236 652
30*	-150.480	67	-1.888	104	75 591	141	116 130	178	156.670	215	197 209	252	237 748
31*	-146.464	68	2.128	105	76.687	142	117.226	179	157.765	216	198.304	253	238 843
32*	-142 448	69	6.144	106	77.783	143	118.322	180	158.861	217	199 400	254	239 939
33*	-138.432	70	10 160	107	78.878	144	119.417	181	159.957	218	200.496		
34*	-134.416	71	14.176	108	79.974	145	120.513	182	161.052	219	201.591		
35*	-130.400	72	18 192	109	81.070	146	121.609	183	162.148	220	202.687		
36*	-126.384	73	22.208	110	82.165	147	122.704	184	163.243	221	203 783		
37*	-122.368	74	26 224	111	83 261	148	123.800	185	164.339	222	204 878		

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)


MAR 31, 1972
5 , 0
METRIC FILM REMAINING ON SUPPLY REEL
INSTALLATION DATE MAR. 24,19 71
HARDWARE CALIB. NO
800- 1
SERIAL NO.
RANGE
0.00000
TO
1.50000+03
EQUATION
COEFFICIENTS
A0= 1.27 +03
A1= 1 22 +03
A2= -6.60 +02
SIGMA = 7.4135
SIGMA / RANGE = 00491
0% = 1.271+03
20% = 1 835+03
40% = 1 048+03
50% = 1 471+02
60% = -1.091+03
80% = -4 581+03
100% = -9.422+03
MEASUREMENT NO
S L1176 0-21-800
LOADING NO.
1040030 15
MIN. LOADING NO
F
T
1400
1200
1000
800
600
400
200
0
1
50
100
150
200
250
0
1.0
2.0
3 0
4.0
5.0
DC VOLTS OUTPUT
0
10
20
30
40
50
60
70
80
90
100
PERCENT OF FULL SCALE
LEGEND - 0 OBSERVED, X COMPUTED

VEHICLE SC113 TABLE OF COUNTS VS ENGINEERING UNITS MAR 31, 1972
MEASUREMENT S L1176 Q - 21 800. CALIBRATED 3/24/71
HARDWARE NUMBERS 800- 1

CNT	FT	CNT	FT	CNT	FT	CNT	FT	CNT	FT	CNT	FT	CNT	FT
1	1271 195	38*	1816 238	75*	1638 782	112	738.826	149*	-883.630	186*-3228 585		223*-6296 040	
2	1295.426	39*	1820 942	76*	1623 958	113	704.475	150*	-937 507	187*-3301 990		224*-6388 972	
3	1319 128	40*	1825 118	77*	1608 607	114	669.597	151*	-991.913	188*-3375 922		225*-6482.431	
4	1342.303	41*	1828 766	78*	1592.728	115	634.191	152*-1046 846		189*-3450.382		226*-6576.418	
5	1364.951	42*	1831 886	79*	1576.321	116	598.257	153*-1102.307		190*-3525 370		227*-6670.933	
6	1387 070	43*	1834 478	80*	1559.387	117	561.796	154*-1158 295		191*-3600 886		228*-6765 976	
7	1408 662	44*	1836 543	81*	1541.924	118	524.806	155*-1214 811		192*-3676 929		229*-6861 546	
8	1429 726	45*	1838.080	82*	1523.934	119	487.289	156*-1271.856		193*-3753.500		230*-6957 644	
9	1450 262	46*	1839.089	83*	1505 417	120	449.244	157*-1329 427		194*-3830.599		231*-7054.270	
10	1470 271	47*	1839.571	84	1486 371	121	410.672	158*-1387.527		195*-3908.226		232*-7151.424	
11	1489 751	48*	1839.524	85	1466 798	122	371.572	159*-1446.154		196*-3986.380		233*-7249 105	
12*	1508 704	49*	1838.950	86	1446.697	123	331.943	160*-1505 309		197*-4065 062		234*-7347 314	
13*	1527.129	50*	1837.848	87	1426.068	124	291.788	161*-1564 992		198*-4144 272		235*-7446.051	
14*	1545 027	51*	1836.219	88	1404.911	125	251 104	162*-1625 203		199*-4224 009		236*-7545.316	
15*	1562.397	52*	1834.062	89	1383 227	126	209.893	163*-1685 941		200*-4304.275		237*-7645 108	
16*	1579.238	53*	1831 376	90	1361 015	127	168 153	164*-1747 207		201*-4385.068		238*-7745.428	
17*	1595 553	54*	1828.164	91	1338.275	128	125.887	165*-1809 001		202*-4466.389		239*-7846.276	
18*	1611.339	55*	1824.423	92	1315.007	129	83.092	166*-1871 323		203*-4548 238		240*-7947.652	
19*	1626.598	56*	1820 155	93	1291 212	130	39 770	167*-1934 172		204*-4630 614		241*-8049 555	
20*	1641.329	57*	1815.359	94	1266.889	131*	-4.081	168*-1997 550		205*-4713 518		242*-8151.986	
21*	1655.532	58*	1810 035	95	1242.038	132*	-48.458	169*-2061.455		206*-4796 950		243*-8254.946	
22*	1669.207	59*	1804 183	96	1216 659	133*	-93.364	170*-2125 887		207*-4880 910		244*-8358 432	
23*	1682 355	60*	1797 804	97	1190 753	134*	-138.798	171*-2190.848		208*-4965 397		245*-8462 447	
24*	1694.975	61*	1790 896	98	1164 319	135*	-184.759	172*-2256 336		209*-5050 413		246*-8566.989	
25*	1707.067	62*	1783 462	99	1137.357	136*	-231 248	173*-2322 352		210*-5135 956		247*-8672 059	
26*	1718 631	63*	1775 499	100	1109 867	137*	-278.264	174*-2388 896		211*-5222 026		248*-8777 657	
27*	1729 668	64*	1767 008	101	1081.850	138*	-325.809	175*-2455 967		212*-5308 625		249*-8883 782	
28*	1740 177	65*	1757 990	102	1053.304	139*	-373.881	176*-2523.566		213*-5395.751		250*-8990 436	
29*	1750 158	66*	1748 444	103	1024 232	140*	-422.481	177*-2591 693		214*-5483.405		251*-9097 617	
30*	1759 611	67*	1738.371	104	994 631	141*	-471.609	178*-2660.348		215*-5571.587		252*-9205.325	
31*	1768 537	68*	1727.769	105	964 502	142*	-521 264	179*-2729 531		216*-5660 296		253*-9313.562	
32*	1776.934	69*	1716 640	106	933 846	143*	-571 448	180*-2799 241		217*-5749 534		254*-9422.326	
33*	1784.804	70*	1704 983	107	902.662	144*	-622.158	181*-2869 479		218*-5839 299			
34*	1792 147	71*	1692.798	108	870.950	145*	-673.397	182*-2940 245		219*-5929 591			
35*	1798 961	72*	1680 086	109	838.711	146*	-725.164	183*-3011 538		220*-6020 412			
36*	1805.248	73*	1666.846	110	805.944	147*	-777.458	184*-3083 359		221*-6111 760			
37*	1811 007	74*	1653 078	111	772 649	148*	-830.280	185*-3155.708		222*-6203.636			

(* --- EXTRAPOLATED BEYOND TRANSDUCER RANGE.)

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